gravel
volume one
Real 3D Gravel

Content

Gravel Meshes

This product contains gravel meshes based on 15 different gravel styles in sizes of 4m² and 16m². All meshes are provided in .max format (compatible with 3DS Max™ 2010+), as well as .obj format (compatible with many other applications).

Stone Textures
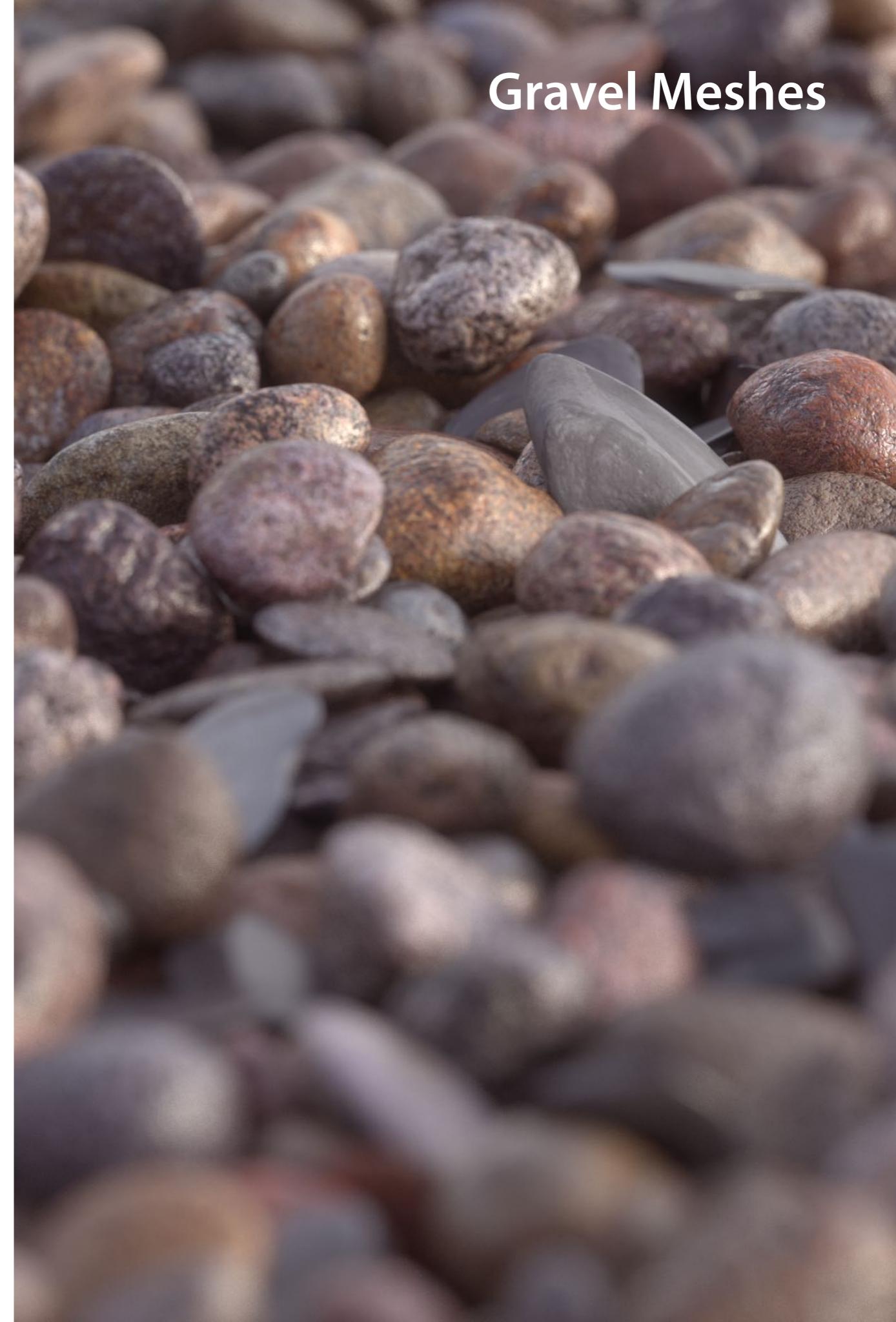
Meant to be used with the 3D gravel meshes, this product also contains especially optimized stone textures in 257 different styles and colors, based on 94 distinct sets. Each texture set consists of diffuse, bump, normal, as well as reflectivity maps.

Gravel Textures

This product contains a total of 134 gravel textures, based on 15 different gravel styles. Each texture consists of diffuse, bump, normal, displacement and reflectivity maps, as well as a number of special maps that will help you to modify the gravel textures or to create entirely new textures.

For more details, please visit
www.arroway-textures.ch/products/gravel-1

arroway® *textures*

Gravel Meshes

The Problem

There are inherent limitations when it comes to gravel textures. No matter how well the texture is made, how precise its normal or displacement map describes the virtual gravel surface, it still is just a two-dimensional approximation of a complex three-dimensional structure.

Several different techniques can be employed in trying to compensate for this fact.

One that is widely used is displacement mapping. Although certainly an improvement, the illusion breaks down quickly once one gets too close.

Displacement Mapping

Our Solution

Since polygon counts matter less and less these days, it has now become a viable approach to render complex surfaces, such as gravel, as real 3D geometry.

The only remaining difficulty, is to produce the actual 3D mesh data. We have developed a special simulation software that is capable of randomly creating different styles of pebbles, as well as scattering hundreds of thousands of them physically correct onto a specified area.

3D Gravel

Details

UV Mapping

Each individual pebble has been cleanly seamed and unwrapped (using ABF++) to produce a low-distortion mapping. The finished UV mapping is optimized for stone textures with a size of 50cm x 50cm.

Using the high-resolution stone textures included in this product, all this allows for even extreme close-ups.
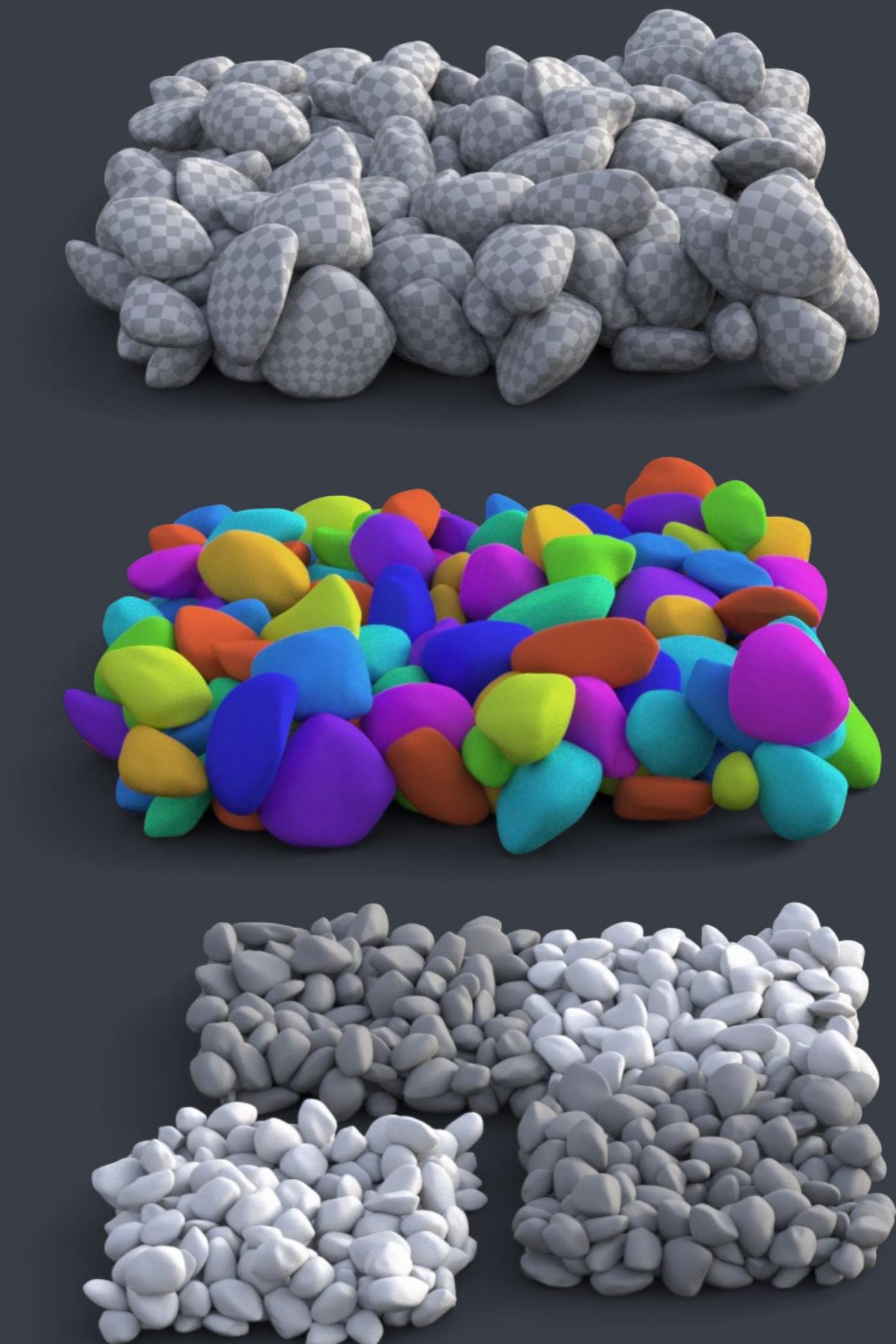
Material IDs*

Each individual pebble has been assigned a random material ID between 1 and 10 (20 in case of gravel-base-13). This allows for the creation of custom mixtures of different stone types and colors. Simply use a Multi/Sub-Object material and assign different stone materials to create a virtually endless variety of styles.

* Not available for .obj files.

Mesh Clusters

To have the whole gravel surface as one single mesh object would not be practical. Neither would it be possible to have every pebble be its own mesh object. As a compromise, we've fused pebbles into individual pebble clusters of 25cm x 25cm each. This makes it possible to approximate the shape of a graveled area by deleting clusters outside of the area, while still being not too heavy on the viewport.

Mesh Layers

In addition to clusters, most gravel meshes have also been split into two layers; a top-layer and a bottom-layer, each containing roughly half of the pebbles. This way you can choose which layer is visible, e.g. according to what density of pebbles is required. For gravel that is farther away or seen from a shallow angle, only one of the two layers may need to be switched on, for instance.
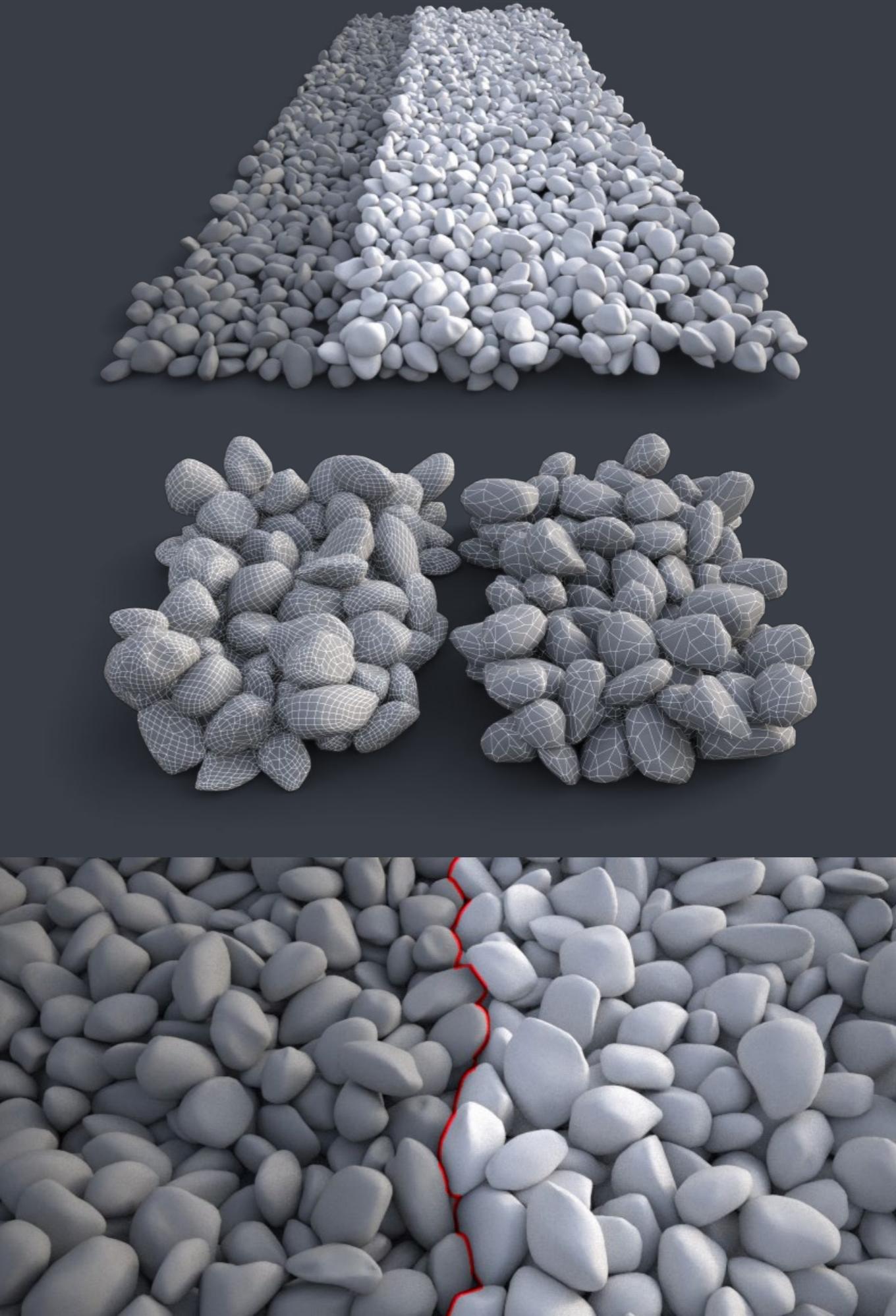
Scale/Resolution

The 3D gravel meshes that are contained in this product cover an area of nominally 2m x 2m and 4m x 4m. While both version have the same polygon count of roughly 8 million, the 2m version has four times more mesh detail per pebble as the 4m version. Use the 2m version where gravel is seen up close and the 4m version in cases where a larger area has to covered. You can also, of course, combine the two.

Seamless Geometry

In cases where an even larger area of gravel is needed, these meshes do tile seamlessly - just as a bitmap texture would.

With the use of mesh object instancing, it is possible to cover areas of several hundred square meters, without consuming much more memory as one single gravel mesh would.

Polygon Count

We have limited most of our gravel meshes to ~8 mio faces and ~4 mio vertices. In our view, this marks a good compromise between what is needed to produce convincing gravel, as well as what is practical, given the current level of software/hardware technology.
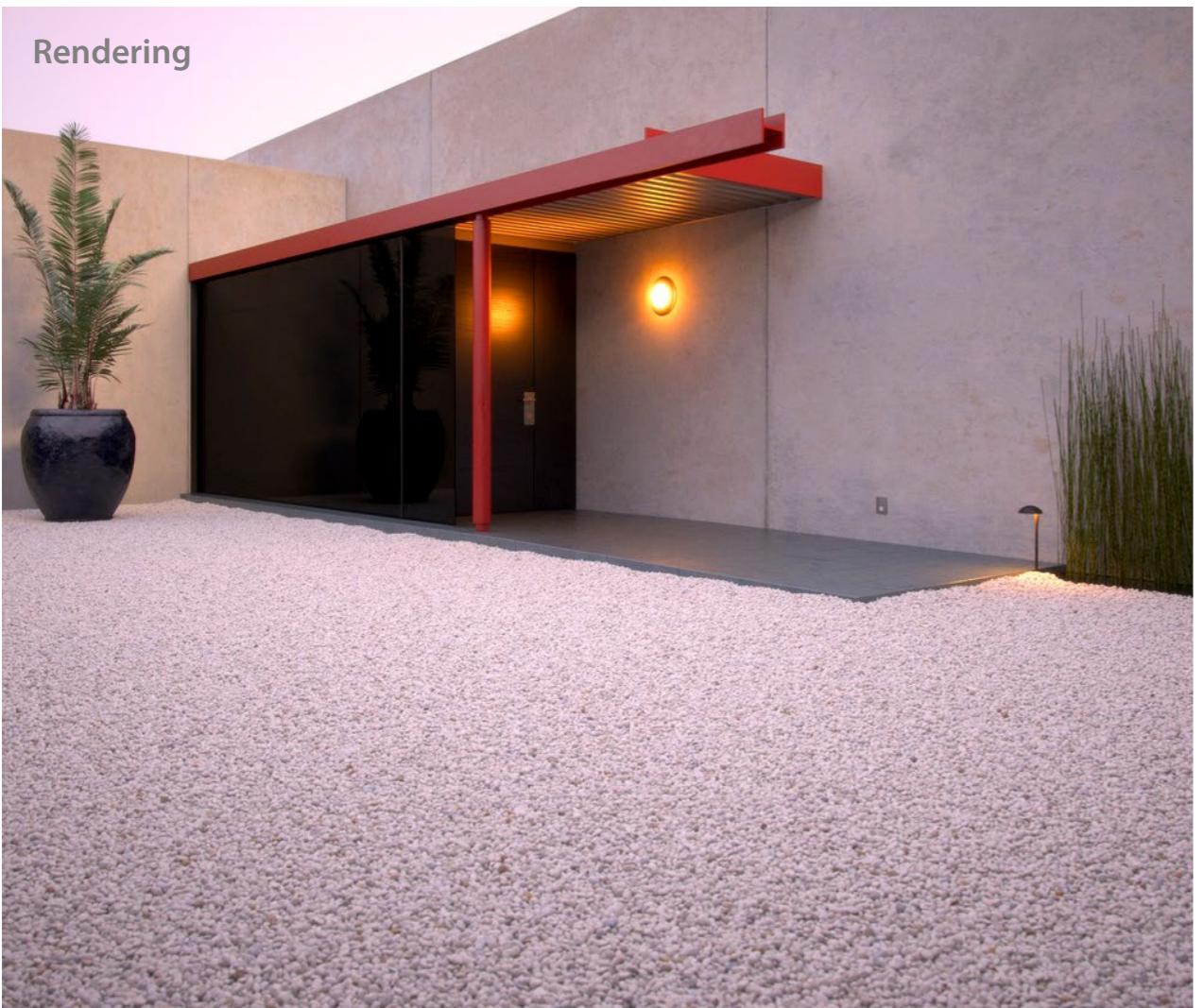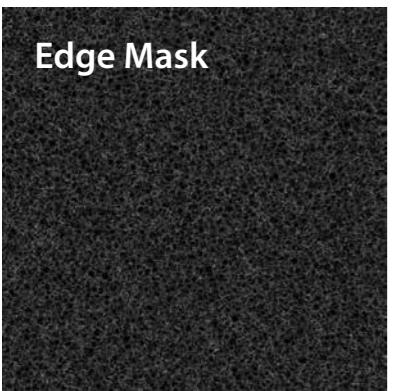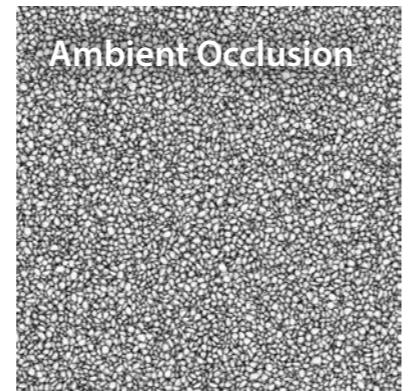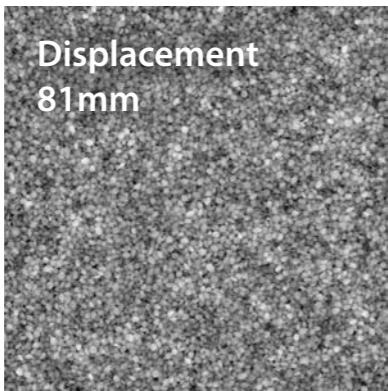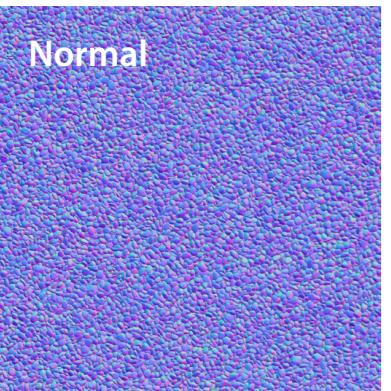
In cases where a greater mesh detail is needed, our gravel meshes can easily be further subdivided to produce the desired resolution.


Scalability
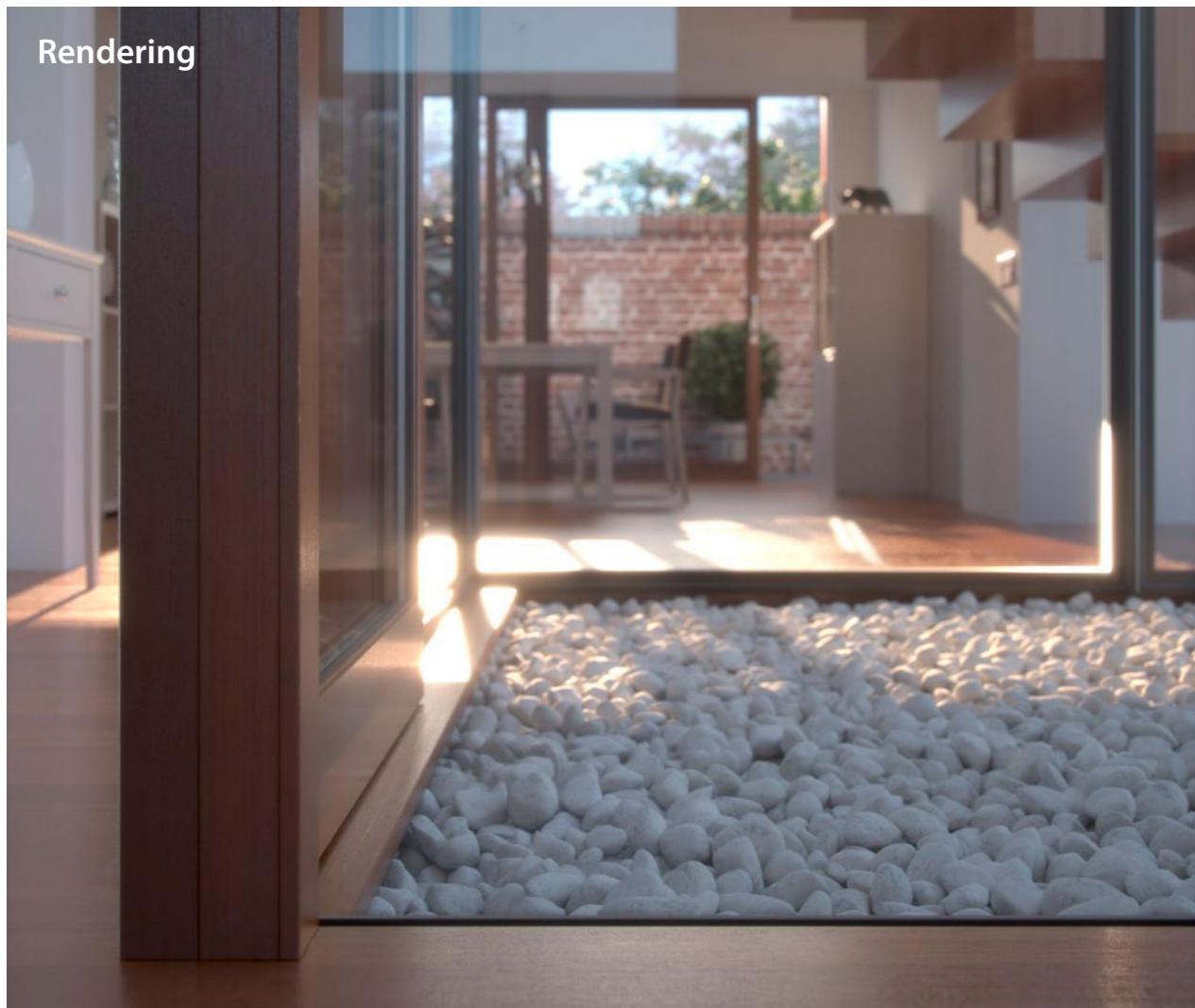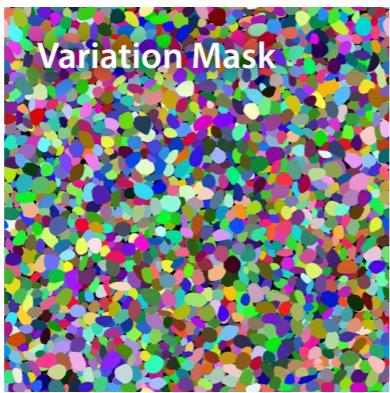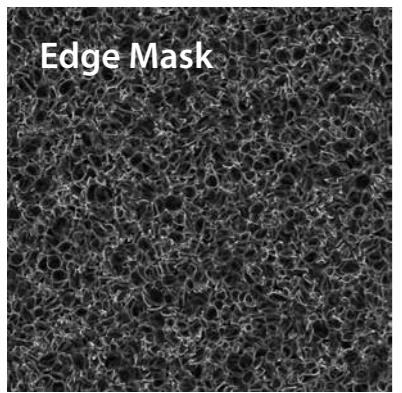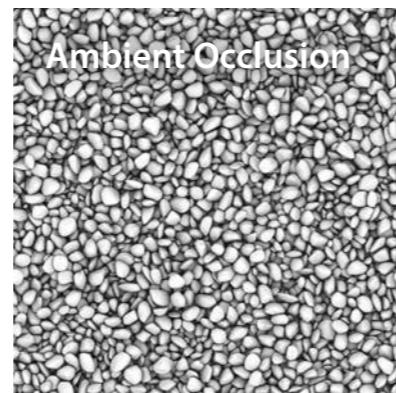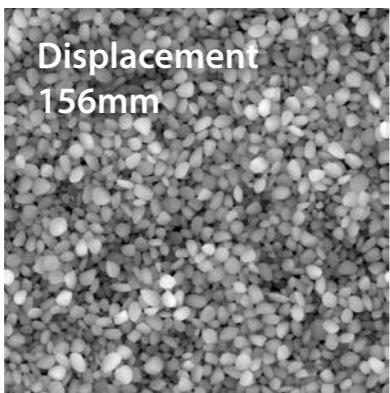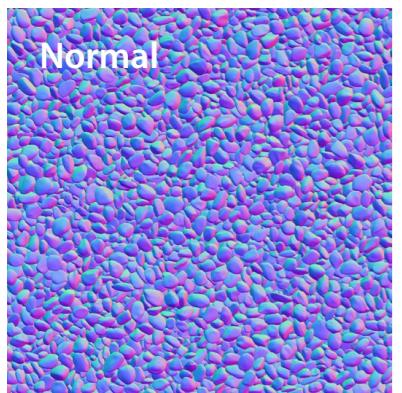
Although our gravel meshes have a nominal size of 2m x 2m and 4m x 4m, you are not bound to this scale. Due to the somewhat 'fractal' nature of gravel and its individual pebbles, it is possible to scale the meshes up or down with basically no limit.

In this example, the same mesh works as small grains of sand, medium sized pebbles, as well as larger cobbles.

Normal

Displacement
81mm

Ambient Occlusion

Edge Mask

Variation Mask

Rendering

Smoothed 1 / **gravel-base-01**

Gravel Vol. 1 - Disk #1+3

3D Meshes
2m: 2.0m x 2.0m | 7.8mio faces | 3.9mio verts
4m: 4.0m x 4.0m | 8.0mio faces | 4.1mio verts

Base Maps
2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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textures

Normal

Displacement
156mm

Ambient Occlusion

Edge Mask

Variation Mask

Rendering

Smoothed 2 / **gravel-base-02**
Gravel Vol. 1 - Disk #1+3
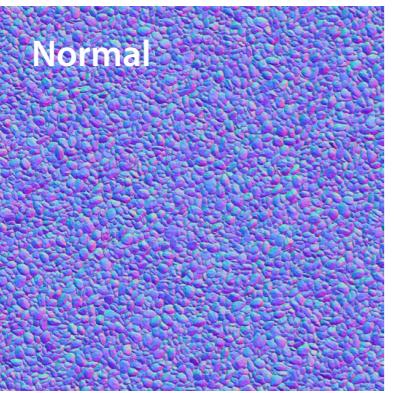
3D Meshes
2m: 2.0m x 2.0m | 2.1mio faces | 1.0mio verts
4m: 4.0m x 4.0m | 8.4mio faces | 4.2mio verts
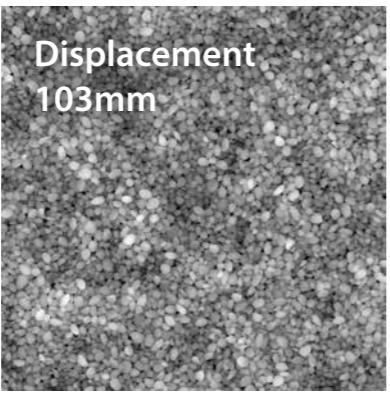
Base Maps
2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px
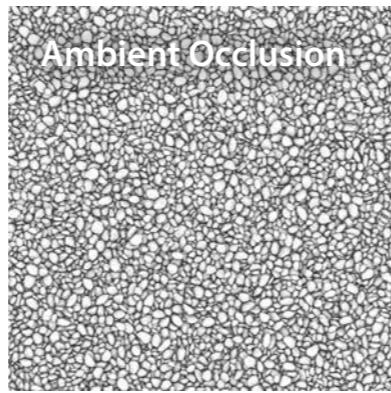
arroway®
textures
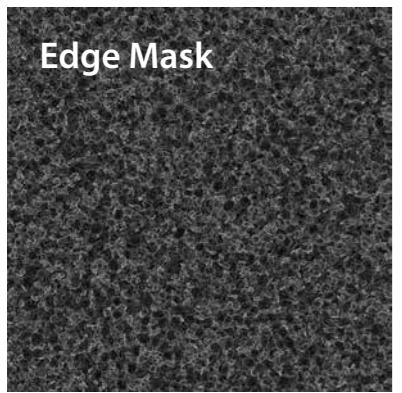
Normal

Displacement
103mm

Ambient Occlusion

Edge Mask
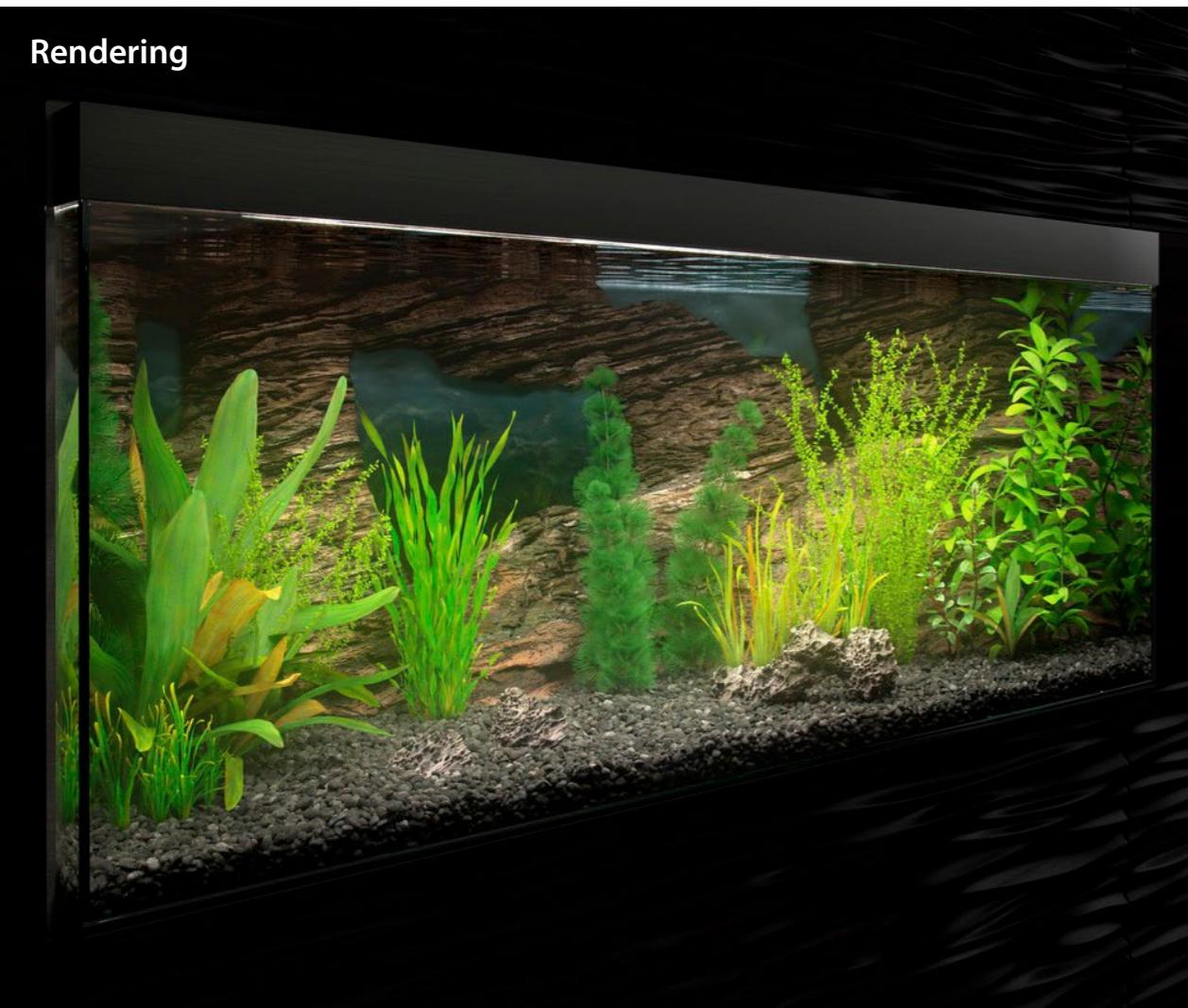
Variation Mask

Rendering

Smoothed 3 / gravel-base-03
Gravel Vol. 1 - Disk #1+3

3D Meshes
2m: 2.0m x 2.0m | 8.0mio faces | 4.0mio verts
4m: 4.0m x 4.0m | 8.0mio faces | 4.0mio verts
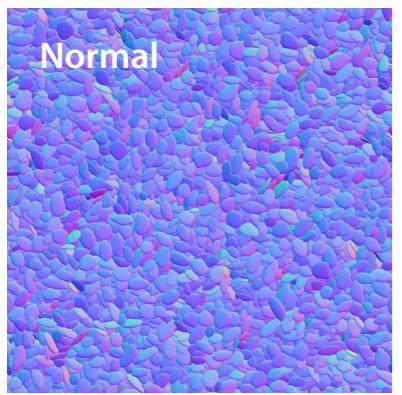
**Base Maps**
2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px
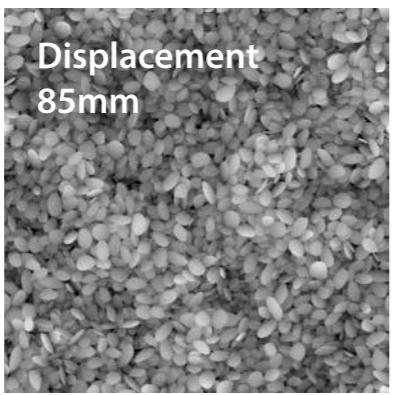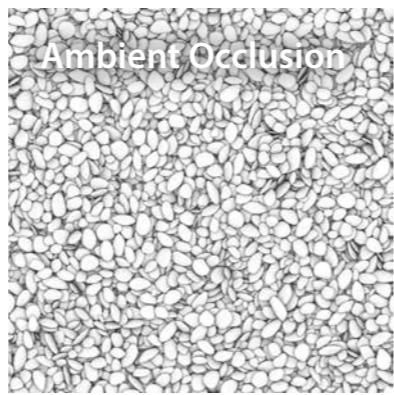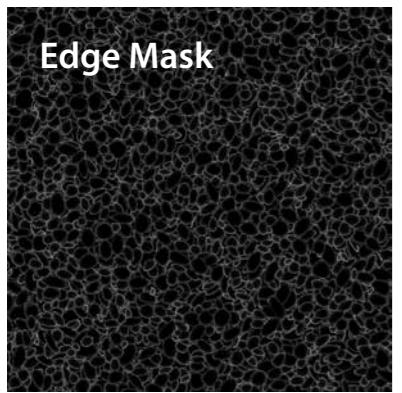
arroway®
textures

Normal

Displacement
85mm
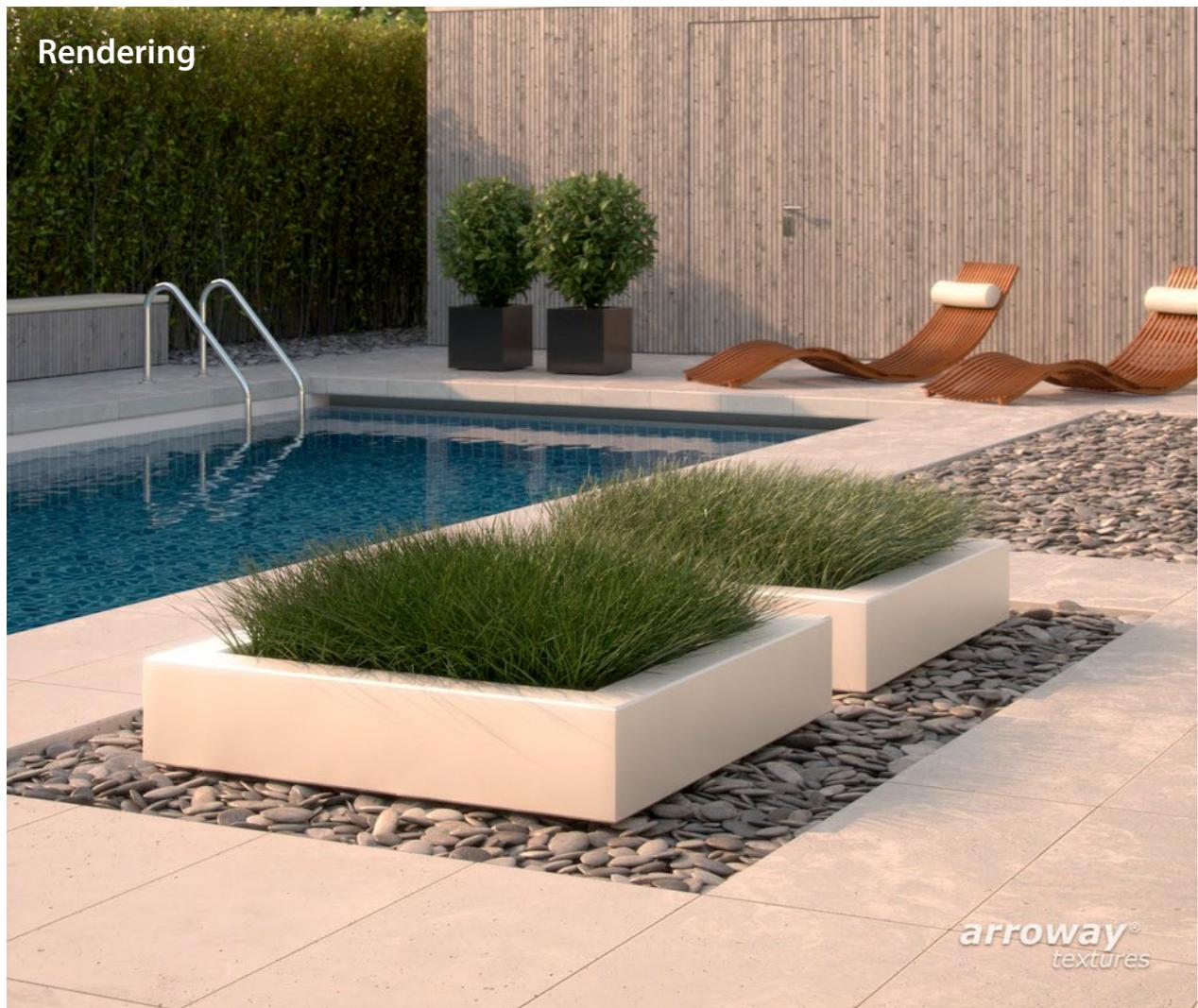
Ambient Occlusion

Edge Mask

Variation Mask

Rendering

arroway textures

Smoothed 4 / **gravel-base-04**

Gravel Vol. 1 - Disk #1+3

3D Meshes
2m: 2.0m x 2.0m | 1.0mio faces | 0.5mio verts
4m: 4.0m x 4.0m | 4.0mio faces | 2.0mio verts
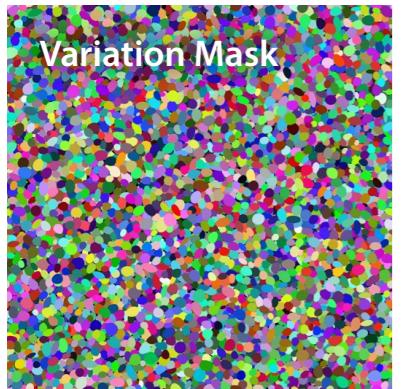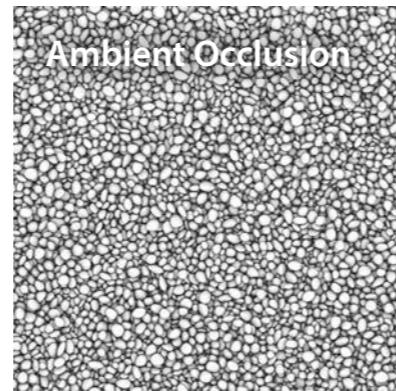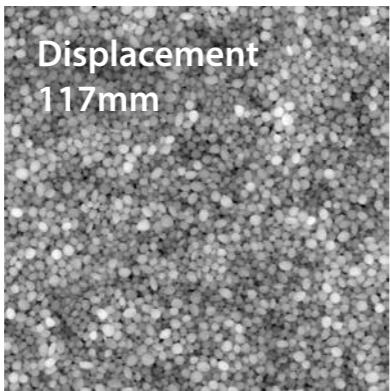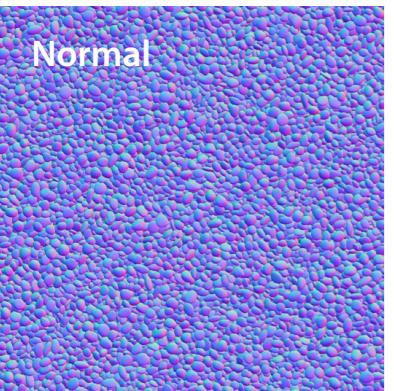
Base Maps
2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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Normal

Displacement 117mm

Ambient Occlusion

Variation Mask

Rendering

Pebbles 1 / gravel-base-05
Gravel Vol. 1 - Disk #1+3
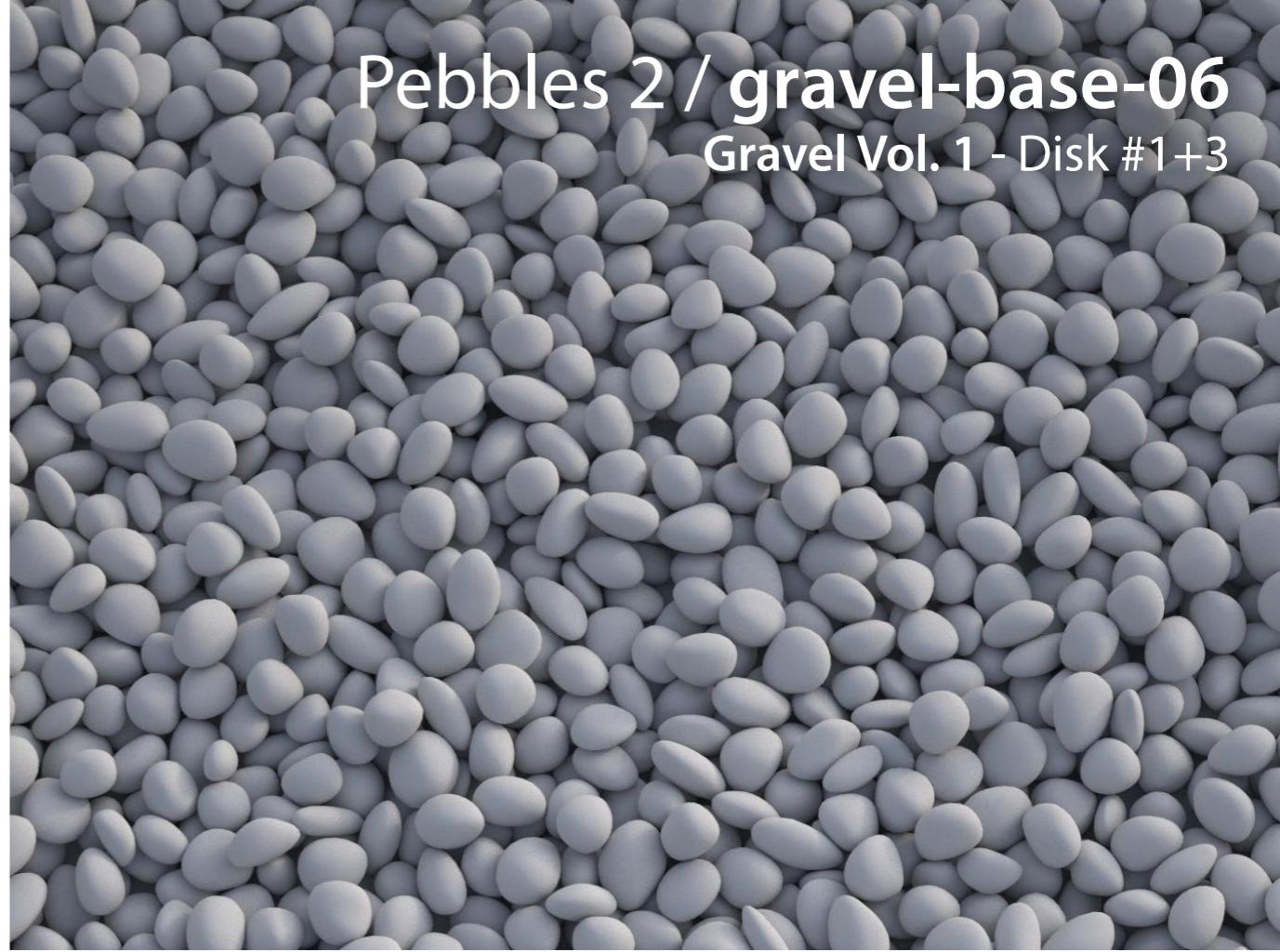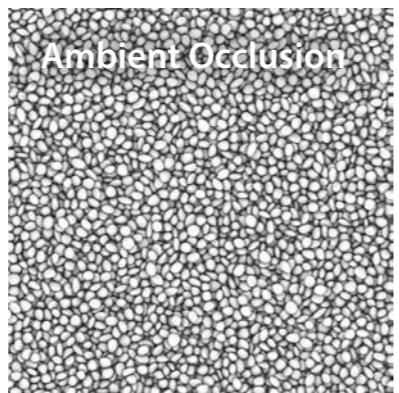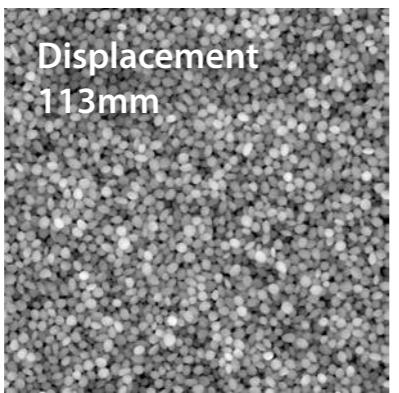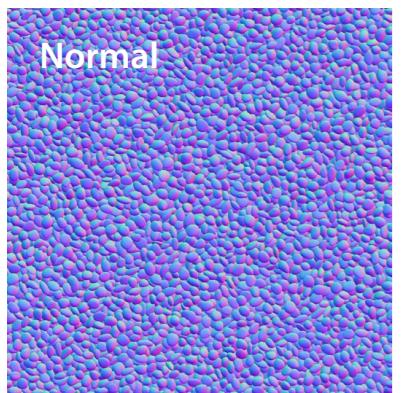
3D Meshes
2m: 2.0m x 2.0m | 2.8mio faces | 1.4mio verts
4m: 4.0m x 4.0m | 4.0mio faces | 2.0mio verts

Base Maps
2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

arroway® textures

Normal

Displacement
113mm

Ambient Occlusion

Variation Mask

Rendering

Pebbles 2 / **gravel-base-06**
Gravel Vol. 1 - Disk #1+3

3D Meshes
2m: 2.0m x 2.0m | 1.5mio faces | 0.7mio verts
4m: 4.0m x 4.0m | 4.0mio faces | 2.0mio verts
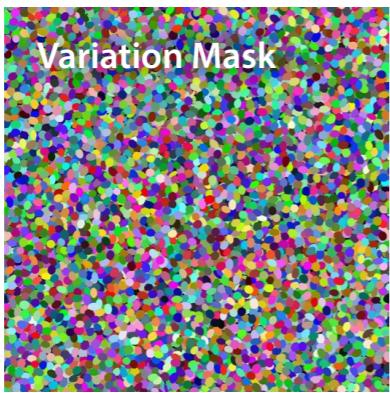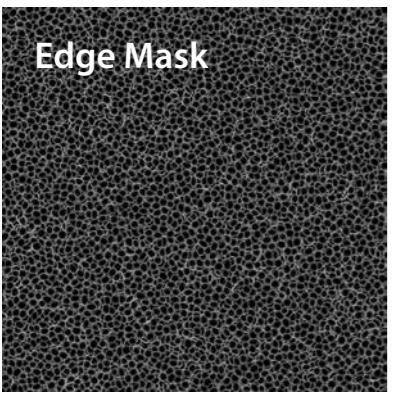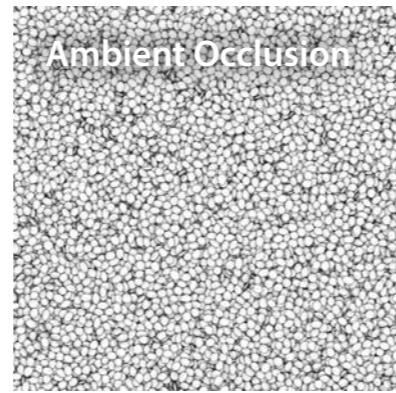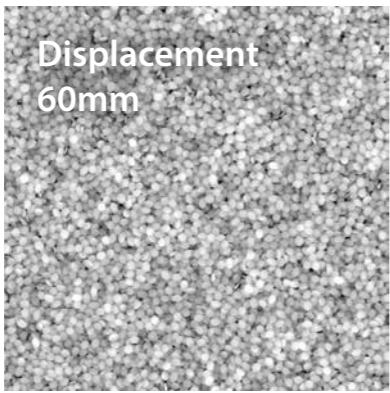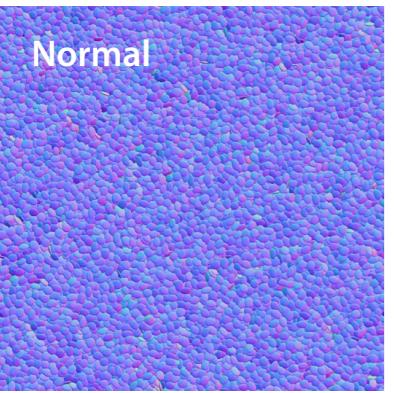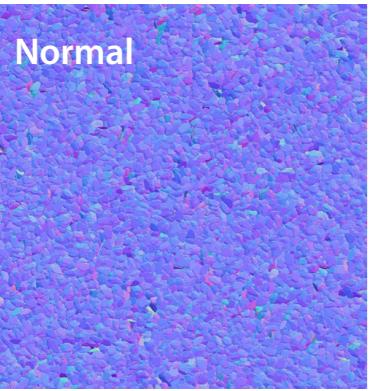
Base Maps
2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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Normal

Displacement
60mm

Ambient Occlusion

Edge Mask

Variation Mask

Rendering

Pebbles 3 / **gravel-base-07**
Gravel Vol. 1 - Disk #1+3

3D Meshes
2m: 2.0m x 2.0m | 4.0mio faces | 2.0mio verts
4m: 4.0m x 4.0m | 8.0mio faces | 4.0mio verts

Base Maps
2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px
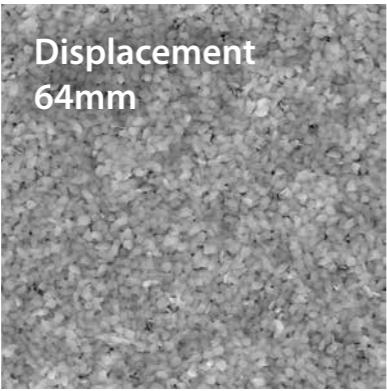
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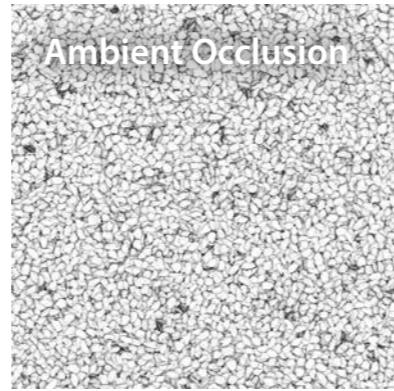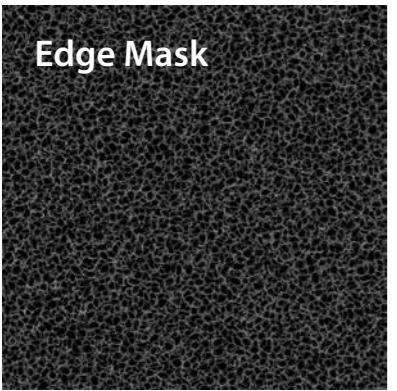
Normal
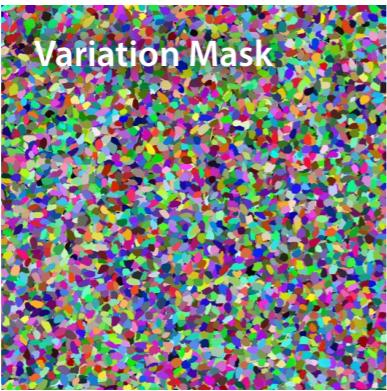
Displacement
64mm

Ambient Occlusion

Edge Mask

Variation Mask

Rendering

Slate 1 / gravel-base-08
Gravel Vol. 1 - Disk #1+3

3D Meshes
2m: 2.0m x 2.0m | 8.0mio faces | 4.0mio verts
4m: 4.0m x 4.0m | 8.0mio faces | 4.0mio verts
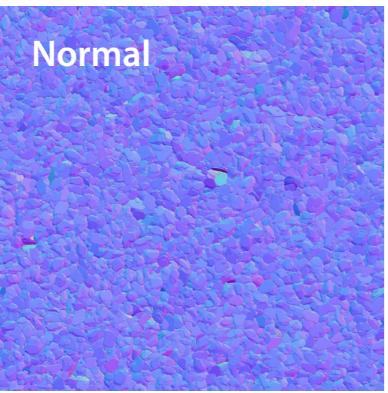
Base Maps
2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px
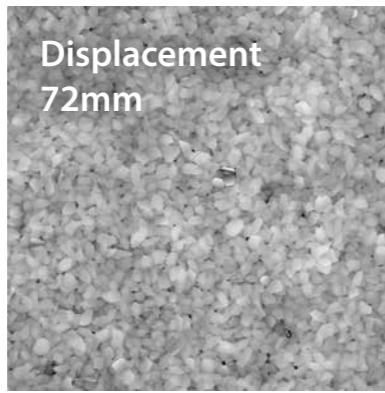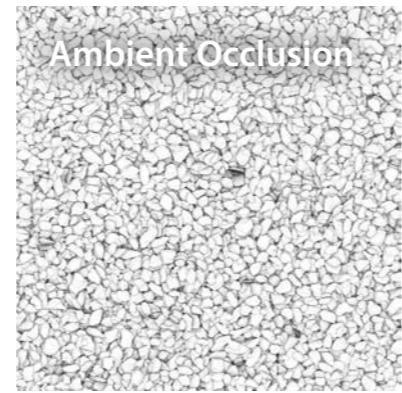
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arroway® textures
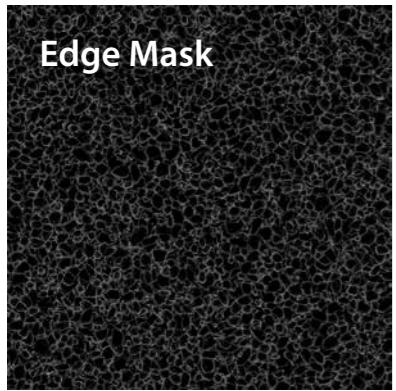
Normal

Displacement
72mm

Ambient Occlusion

Edge Mask

Variation Mask

Rendering

Slate 2 / **gravel-base-09**
Gravel Vol. 1 - Disk #1+3
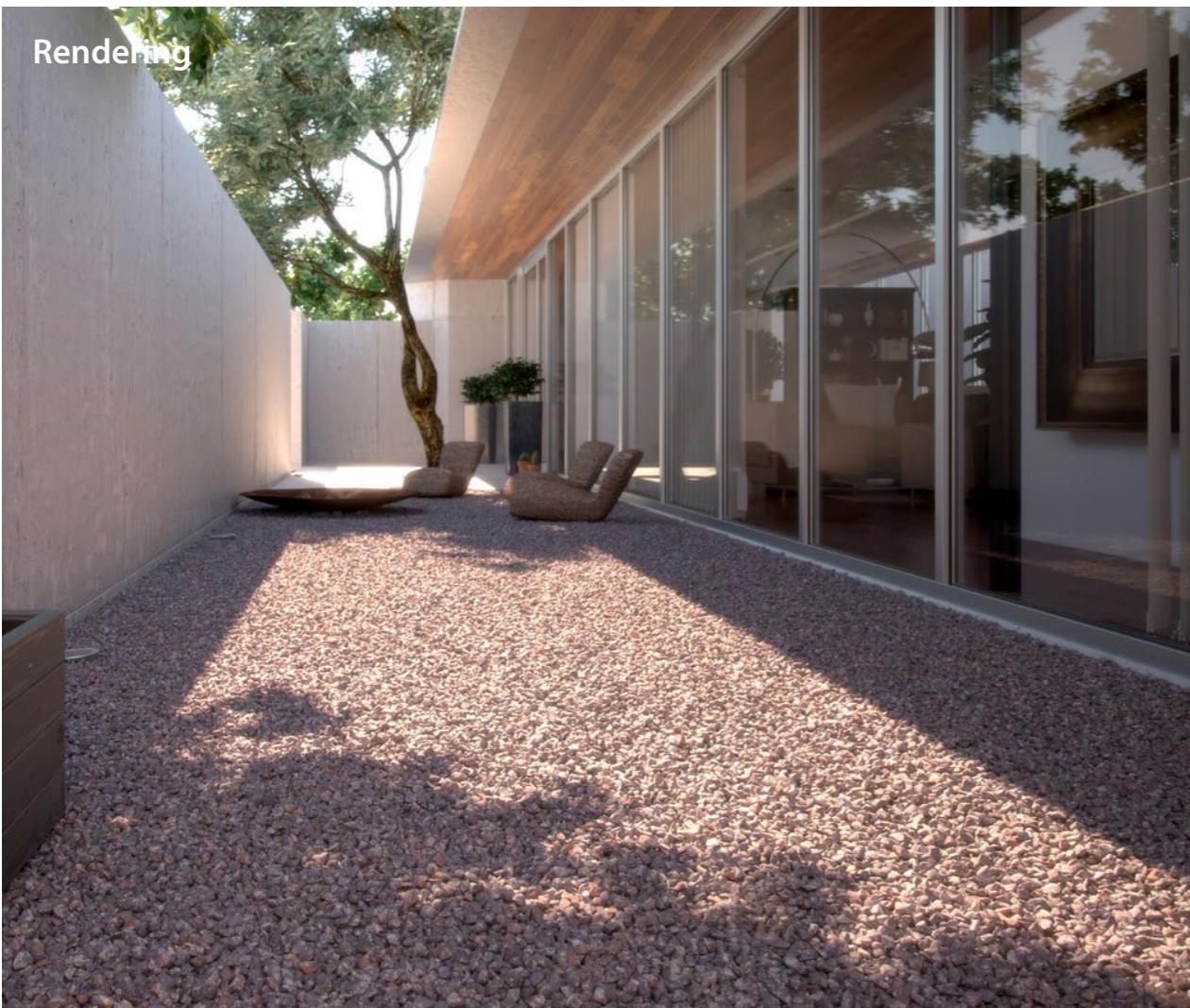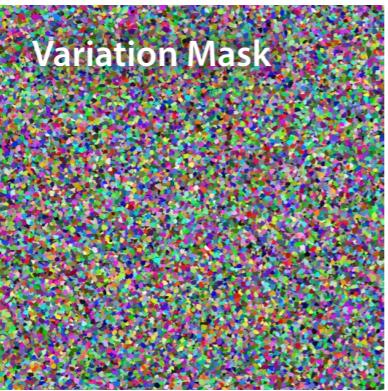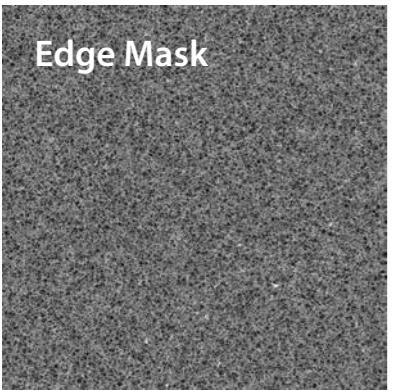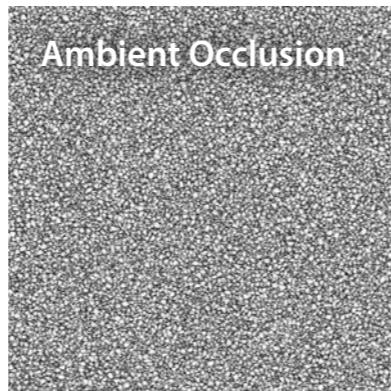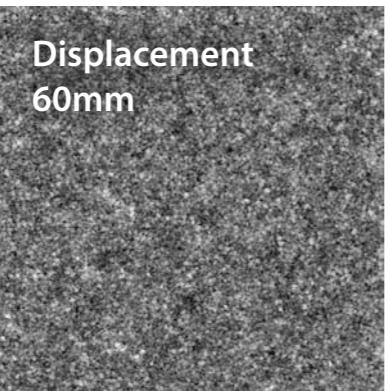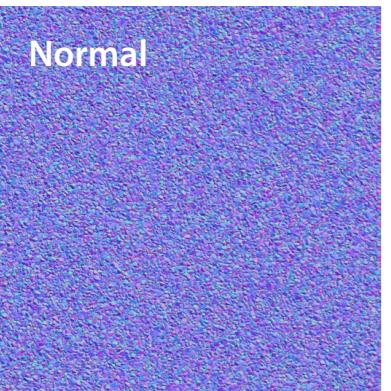
3D Meshes
2m: 2.0m x 2.0m | 7.9mio faces | 4.0mio verts
4m: 4.0m x 4.0m | 8.0mio faces | 4.0mio verts
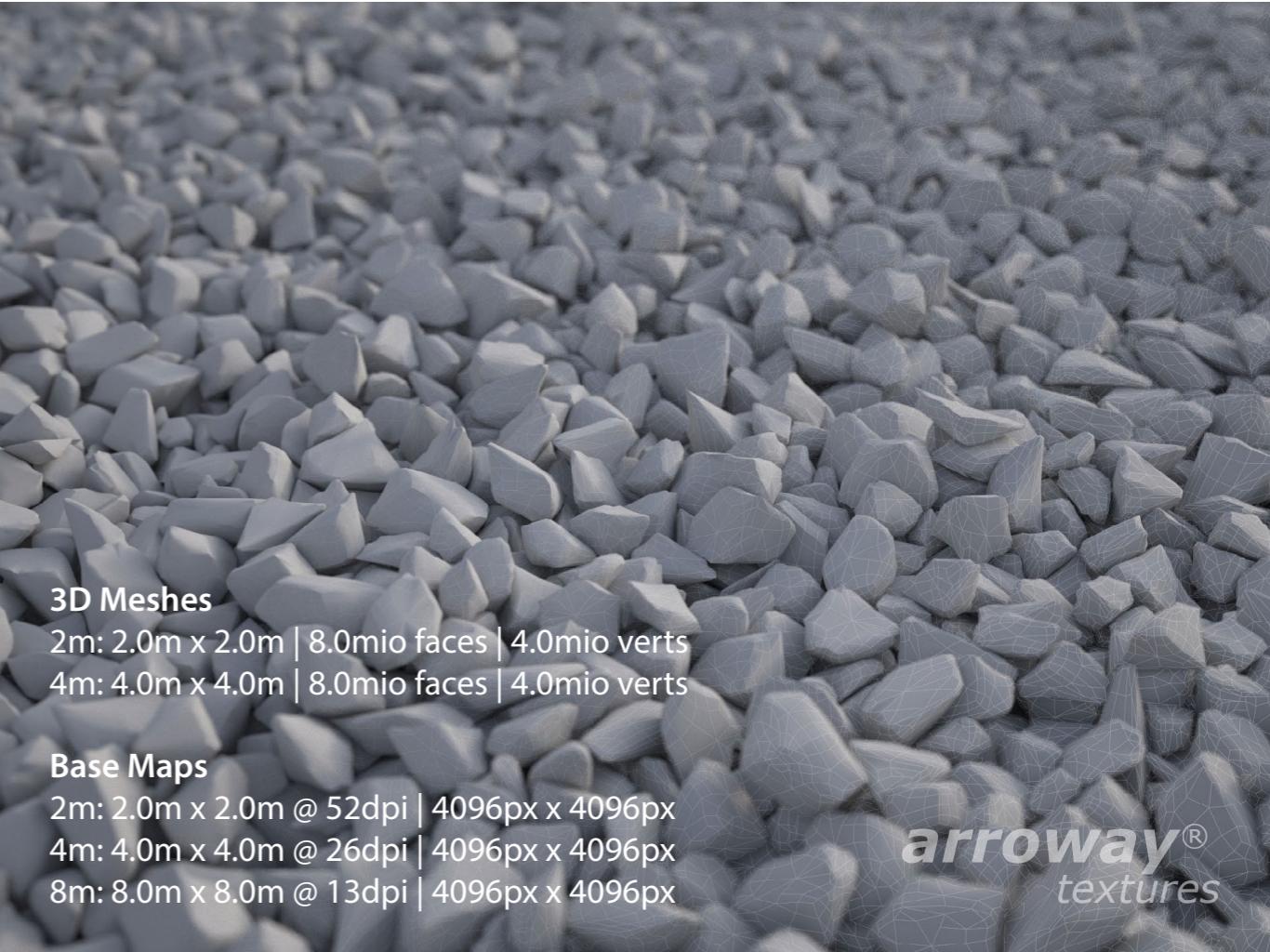
Base Maps
2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

arroway® textures

Normal

Displacement 60mm

Ambient Occlusion

Edge Mask

Variation Mask

Rendering

Crushed 1 / **gravel-base-10**
Gravel Vol. 1 - Disk #1+3
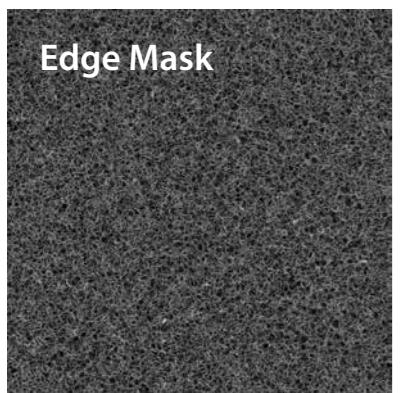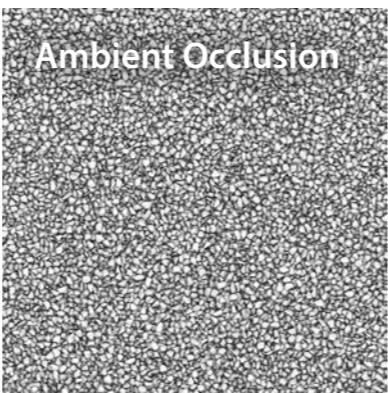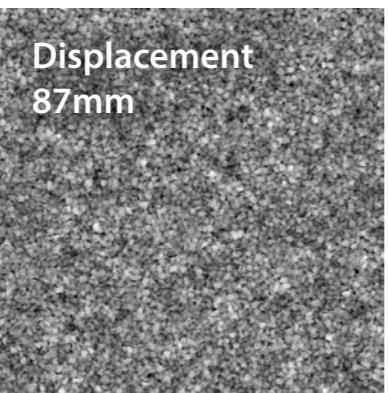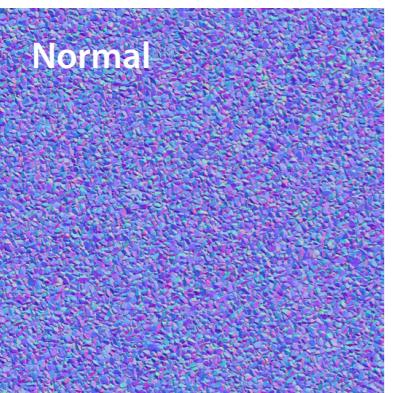
3D Meshes
2m: 2.0m x 2.0m | 8.0mio faces | 4.0mio verts
4m: 4.0m x 4.0m | 8.0mio faces | 4.0mio verts

Base Maps
2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

**arroway**® textures

Normal

Displacement
87mm

Ambient Occlusion

Edge Mask

Variation Mask

Rendering

arroway® textures

Crushed 2 / **gravel-base-11**
Gravel Vol. 1 - Disk #1+3

3D Meshes
2m: 2.0m x 2.0m | 8.0mio faces | 4.0mio verts
4m: 4.0m x 4.0m | 8.0mio faces | 4.0mio verts

Base Maps
2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

arroway® textures

Normal

Displacement 96mm

Ambient Occlusion

Edge Mask

Variation Mask

Rendering
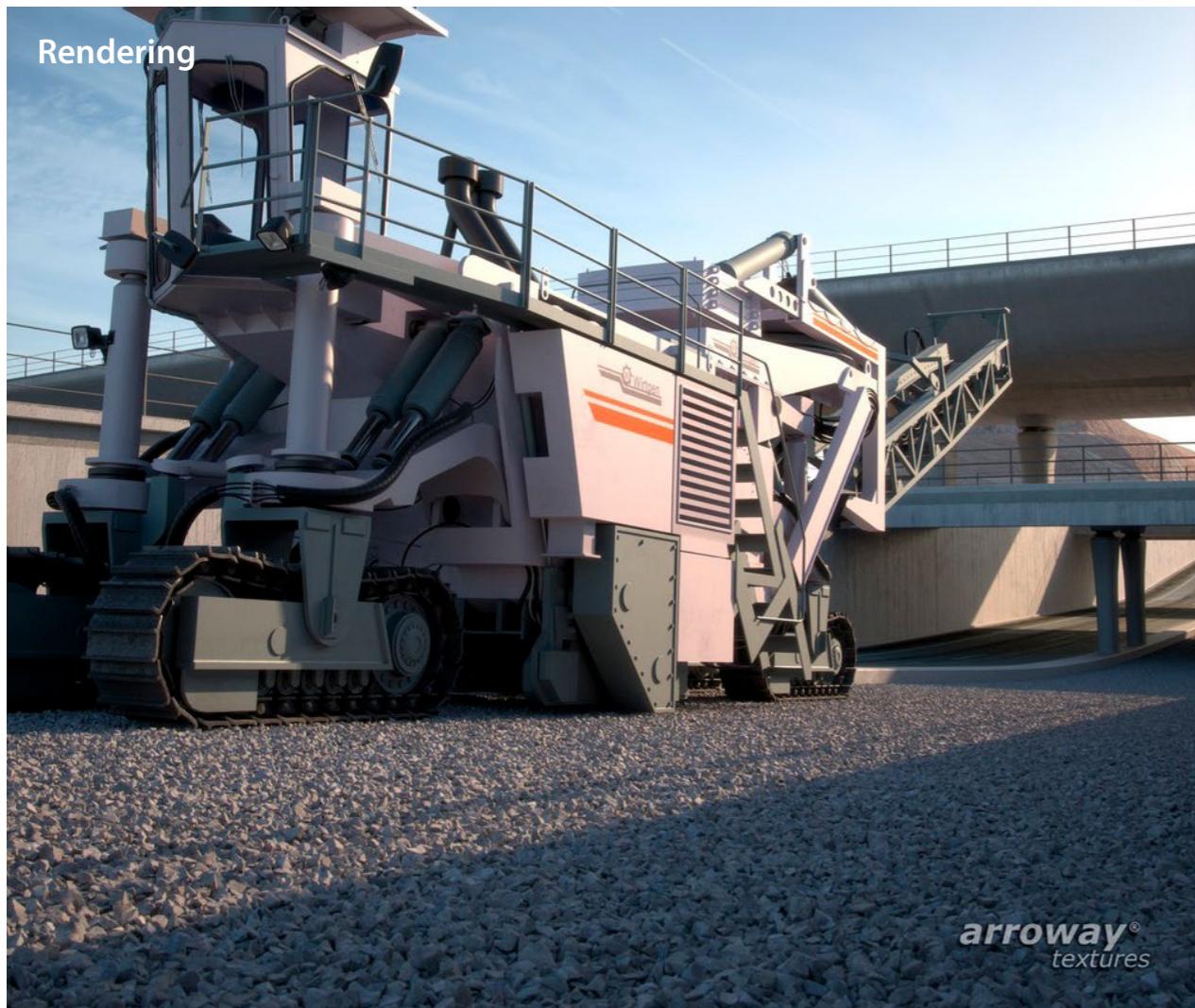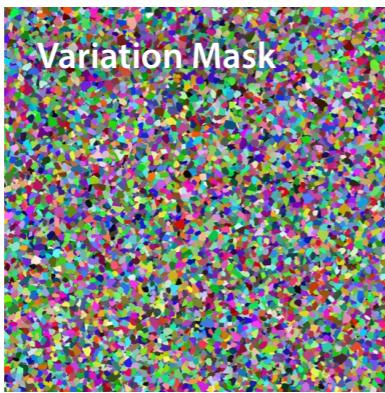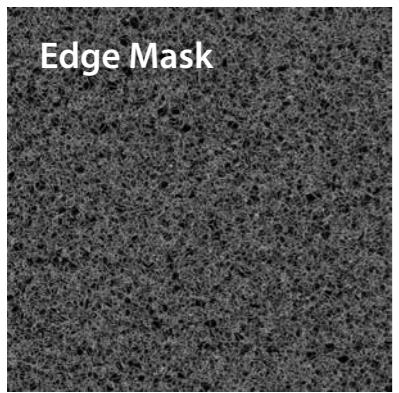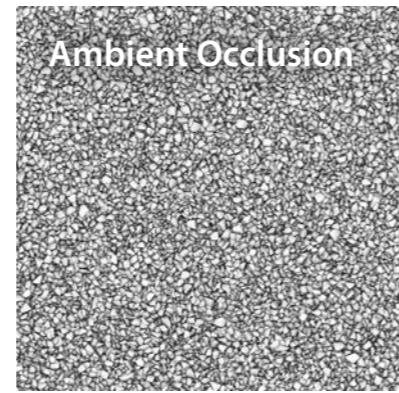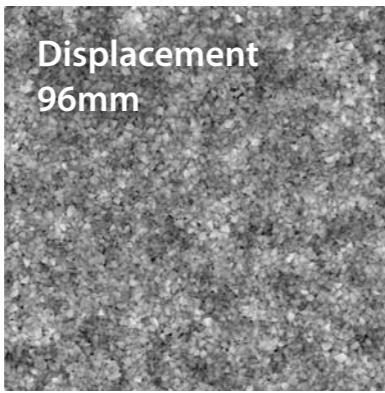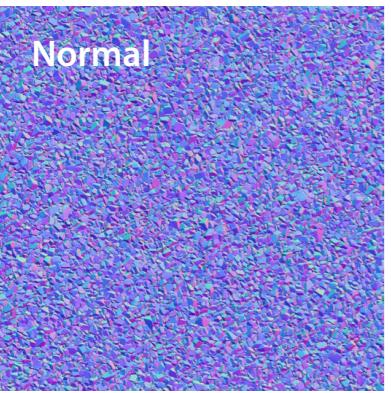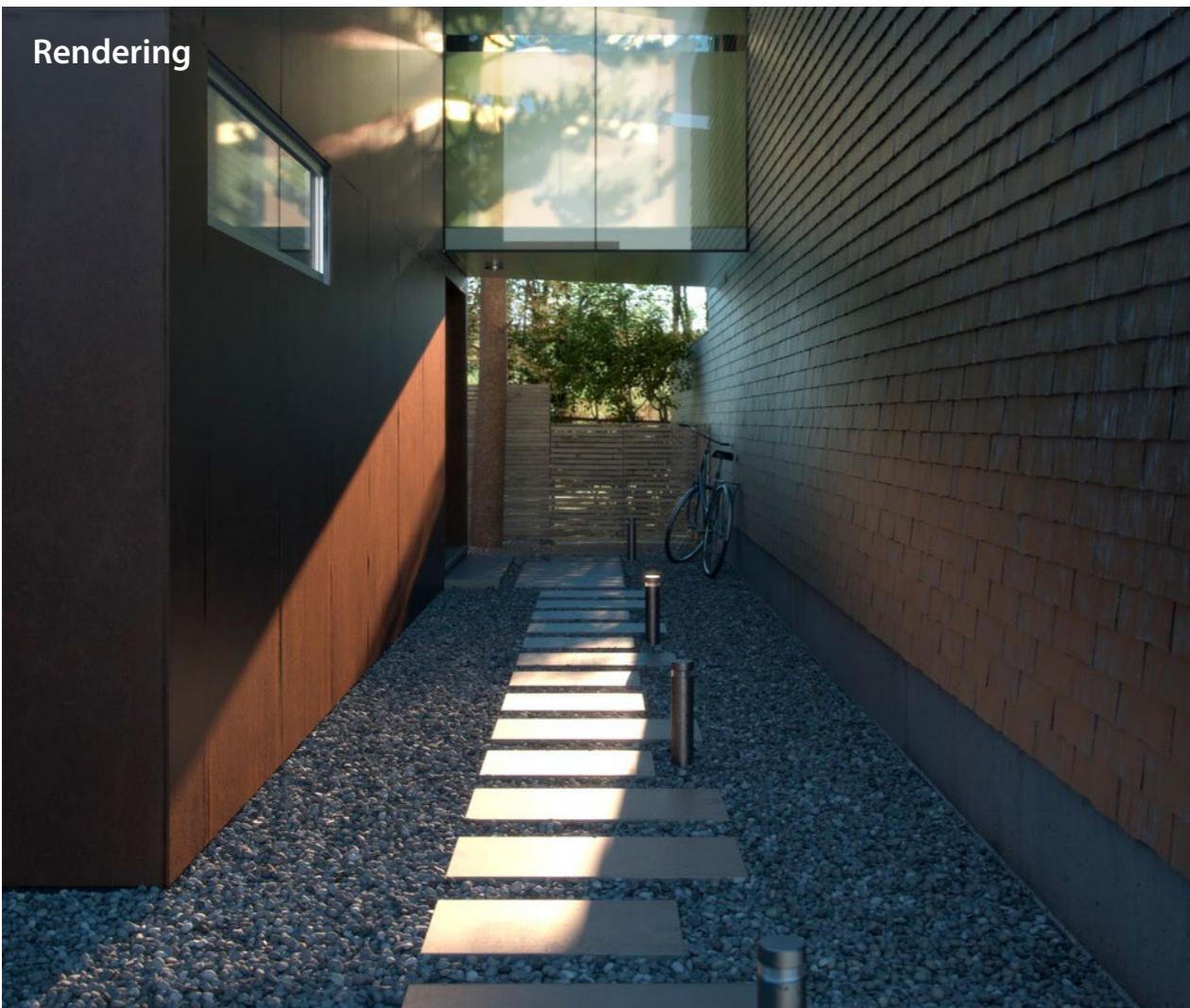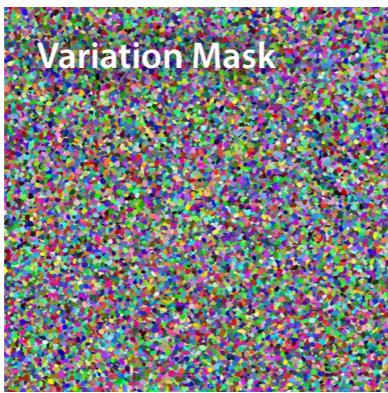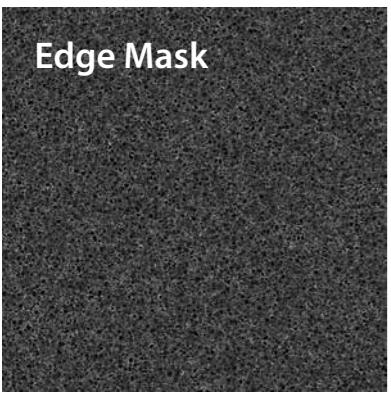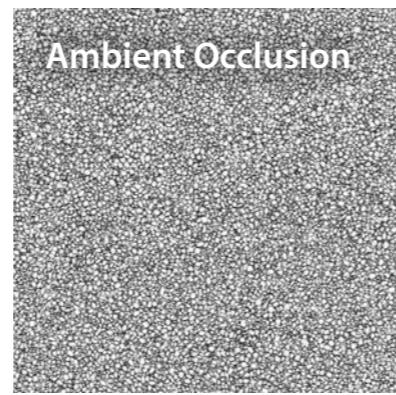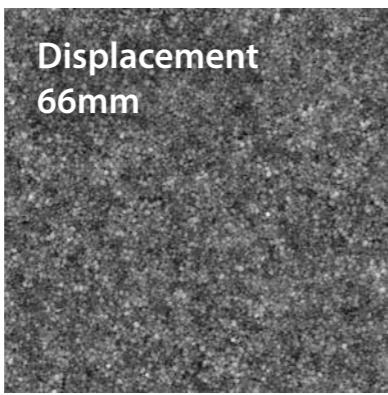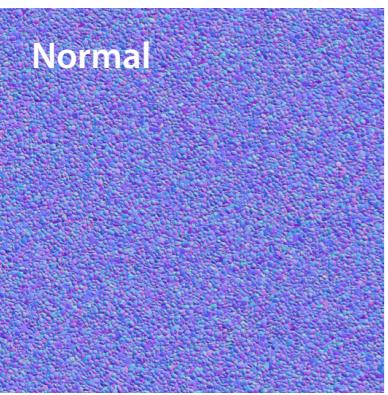
Crushed 3 / **gravel-base-12**

Gravel Vol. 1 - Disk #1+3

3D Meshes
2m: 2.0m x 2.0m | 8.0mio faces | 4.0mio verts
4m: 4.0m x 4.0m | 8.0mio faces | 4.0mio verts

Base Maps
2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

arroway® textures

Normal

Displacement 66mm

**Ambient Occlusion**

Edge Mask

Variation Mask

Rendering
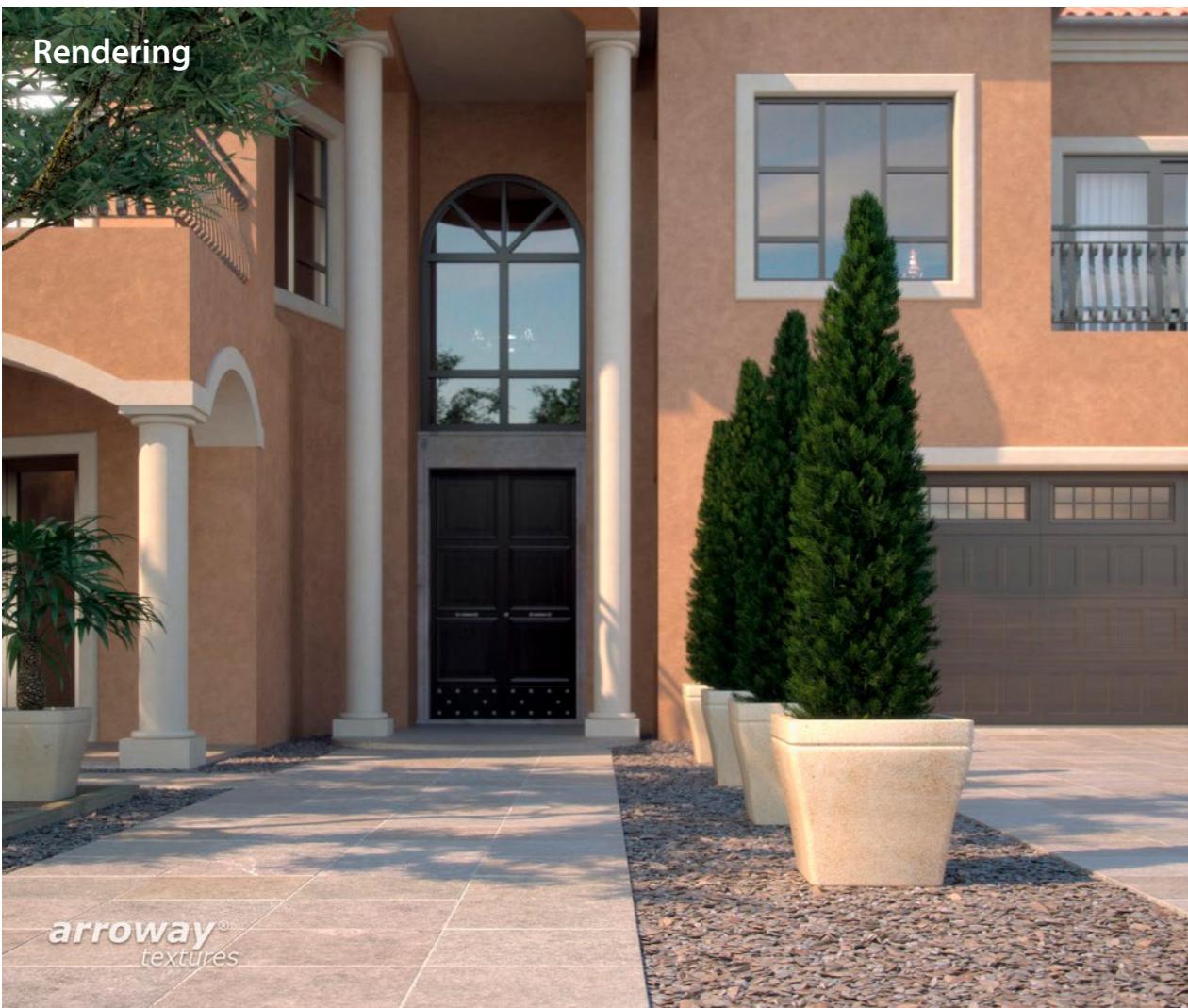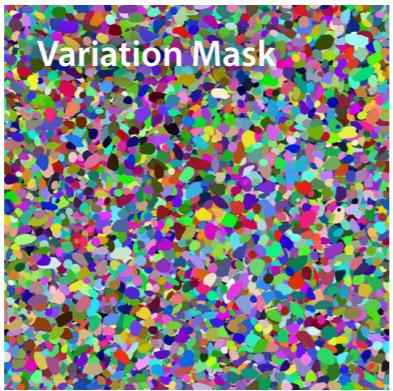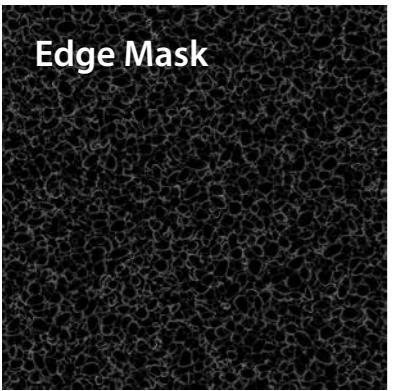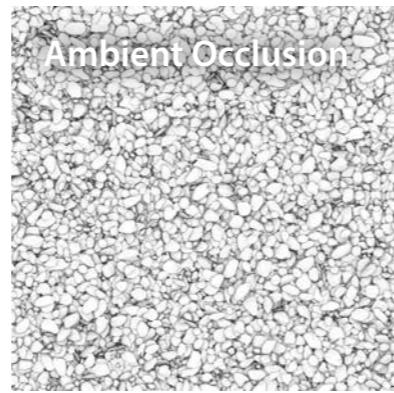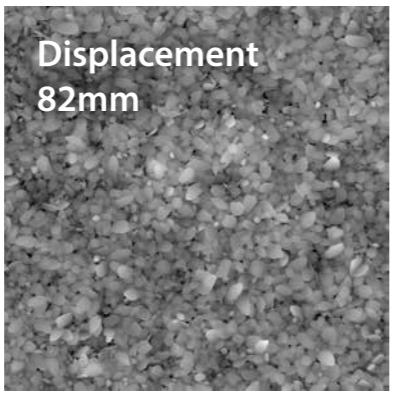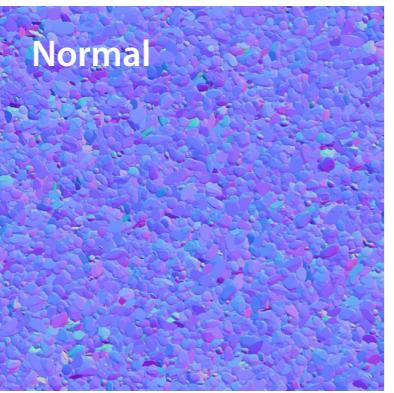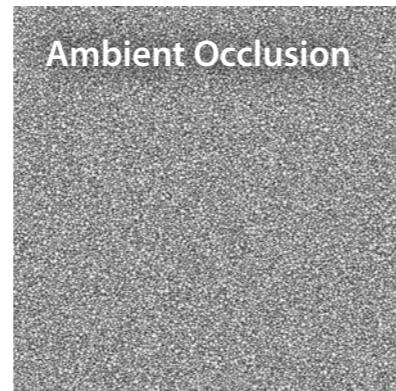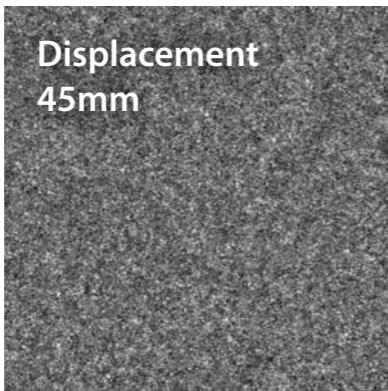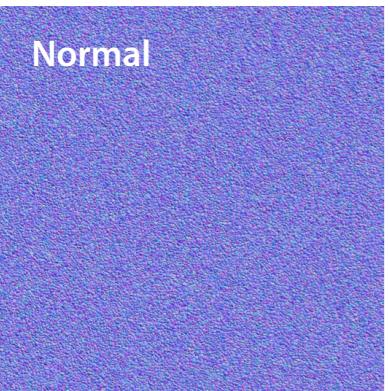
Mixed 1 / gravel-base-13
Gravel Vol. 1 - Disk #1+3

3D Meshes
2m: 2.0m x 2.0m | 8.0mio faces | 4.0mio verts
4m: 4.0m x 4.0m | 12.0mio faces | 6.2mio verts

Base Maps
2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

arroway® *textures*

Normal

Displacement
82mm

Ambient Occlusion

Edge Mask

Variation Mask

Rendering

arroway
textures

Mixed 2 / gravel-base-14
Gravel Vol. 1 - Disk #1+3

3D Meshes
2m: 2.0m x 2.0m | 7.8mio faces | 3.9mio verts
4m: 4.0m x 4.0m | 8.0mio faces | 4.0mio verts

Base Maps
2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

arroway
textures

Normal

Displacement
45mm

Ambient Occlusion

Edge Mask

Variation Mask

Rendering

Mixed 3 / **gravel-base-15**

Gravel Vol. 1 - Disk #1+3

3D Meshes
2m: 2.0m x 2.0m | 8.0mio faces | 4.0mio verts
4m: 4.0m x 4.0m | 7.9mio faces | 4.3mio verts

Base Maps
2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

arroway
textures

arroway®
textures

Stone Textures

There are 94 distinct stone textures contained in this product (disks 4 to 6), plus 163 color variations, making for a total of 257 different styles.

These stone texture are meant to be used in conjunction with the 3D gravel meshes to produce a large variety of highly realistic gravel styles. Of course you can also use them for other purposes.

Details

Inherent Variation

Each stone texture has been created so that its inherent variation in surface texture and color mirrors the variability of the whole gravel surface.

Because random UV coordinates have been assigned to each individual pebble, different parts of the stone texture will be randomly applied to the pebbles of the gravel mesh when rendering.

Customizable

You are of course not limited to the set of stone textures included in this product. You can very easily modify these textures to achieve a special look you want, or even create your own stone textures. Because the UV coordinates of the gravel mesh respect texture edges, these stone textures do not have to be tilable.
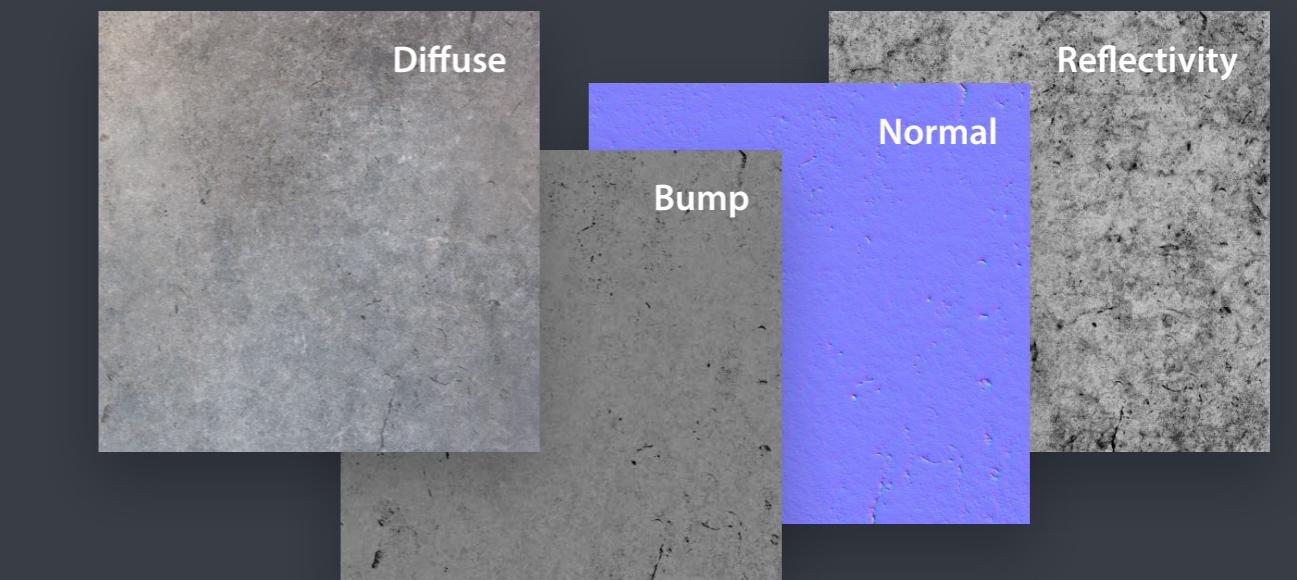
Specifications

Each stone texture has a real-world scale of 50cm x 50cm at a resolution of 4096px x 4096px and consists of

- Diffuse map, i.e. the color information; often in different variations
- Bump map, containing fine surface details
- Normal map, containing medium to small scale surface details
- Reflectivity map, describing the reflectivity of the stone

Ready-To-Use Materials

As with the gravel textures, we provide ready-to-use material setups for 3DS Max™ 2010+, as well as MaxwellRender™ (2.x).

Variations

01
02
03
04
05
06
07
08
09
10
11
12

gravel-stone-001
Gravel Vol. 1 - Disk #4

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

01

02

03

04

05

06

07

08

09

10
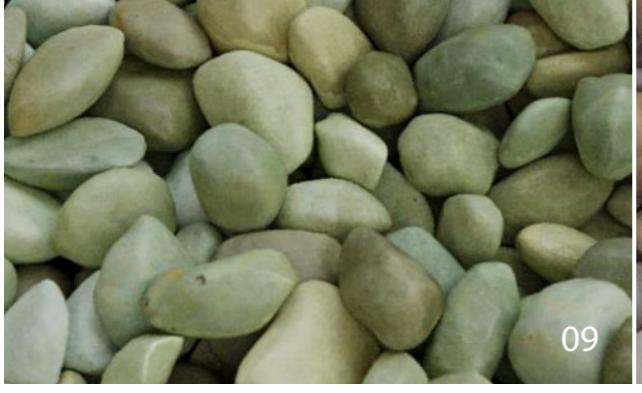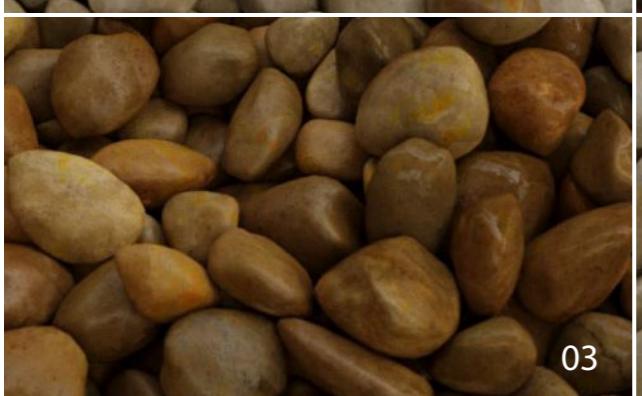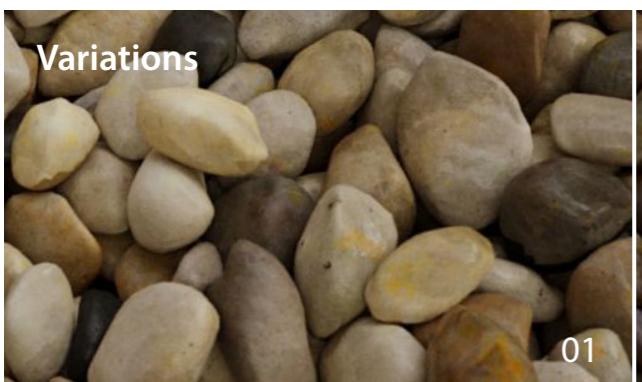
gravel-stone-002
Gravel Vol. 1 - Disk #4

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

01

02

03
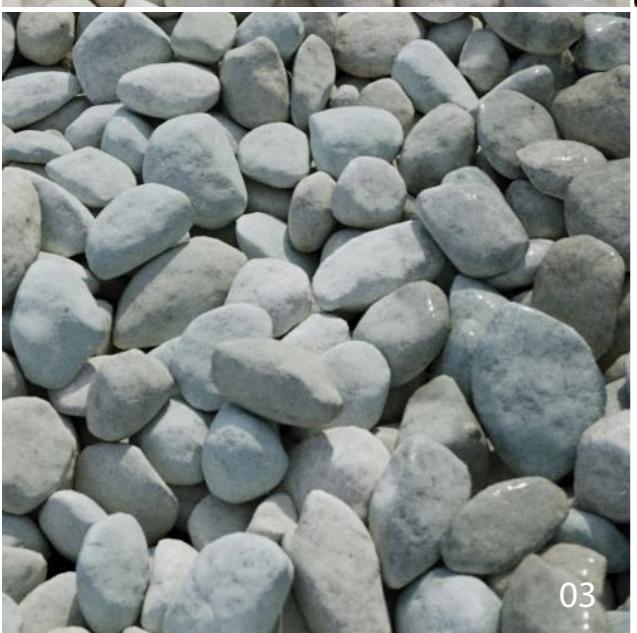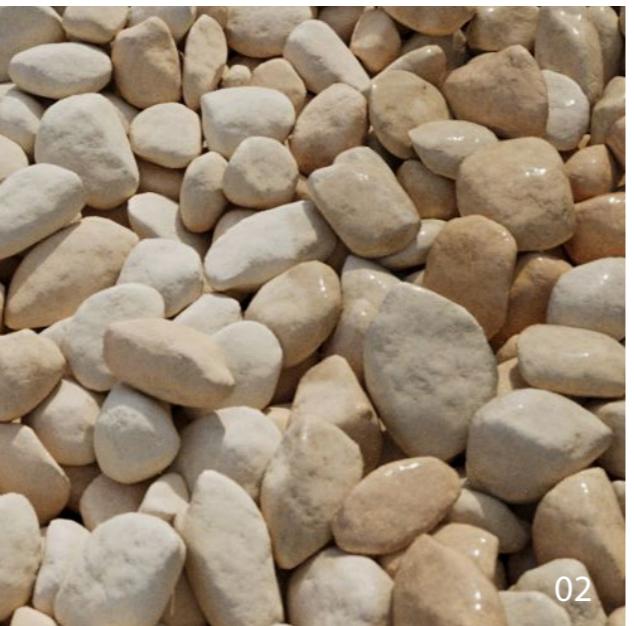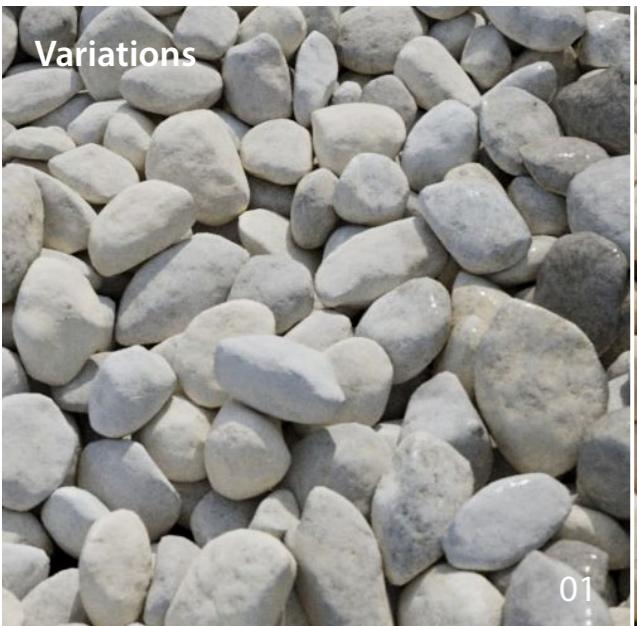
gravel-stone-003
Gravel Vol. 1 - Disk #4

Dry

Wet

Map
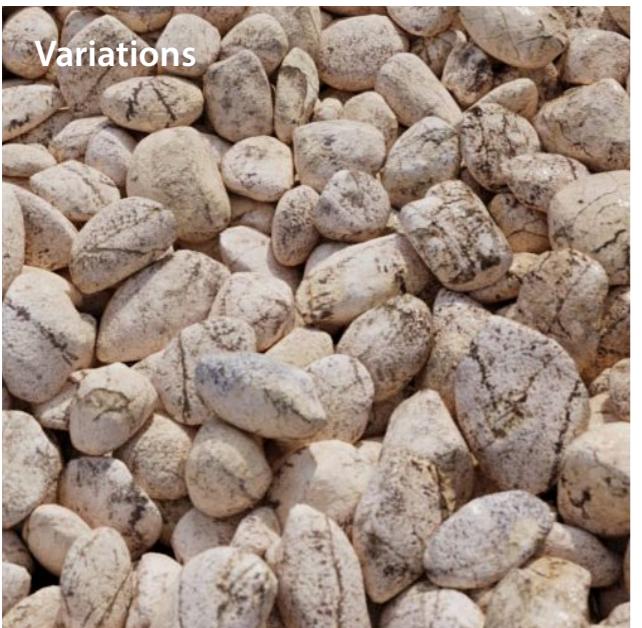
0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway®
textures

Variations

gravel-stone-004
Gravel Vol. 1 - Disk #4
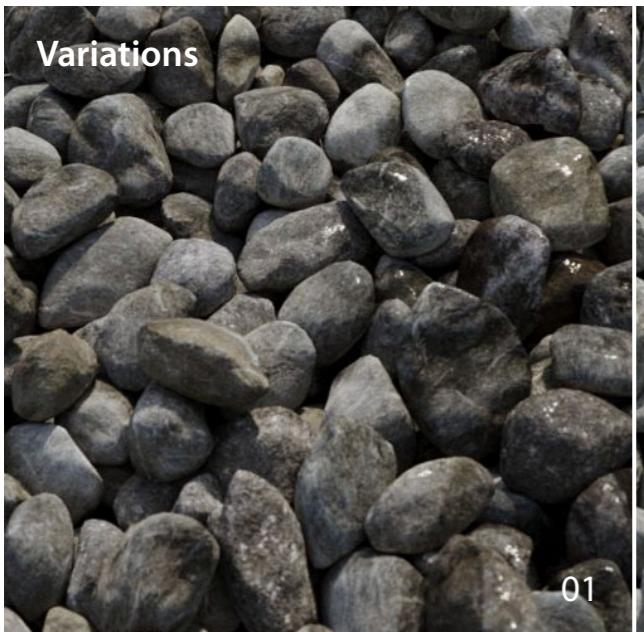
Dry Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

01

02

03
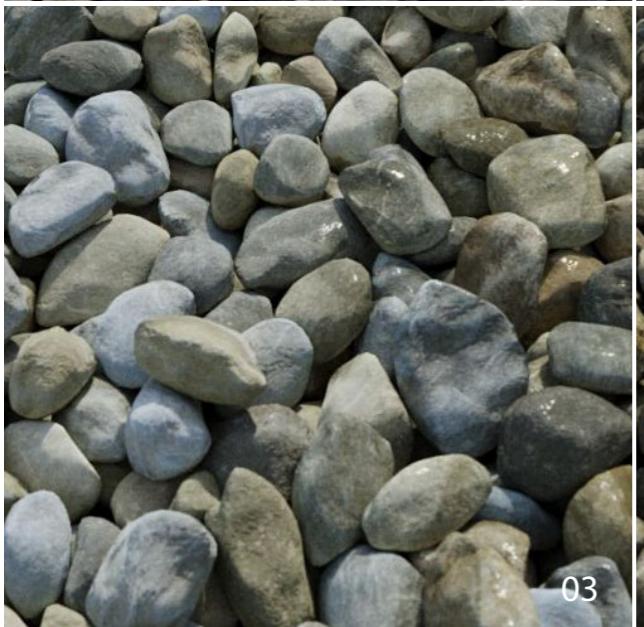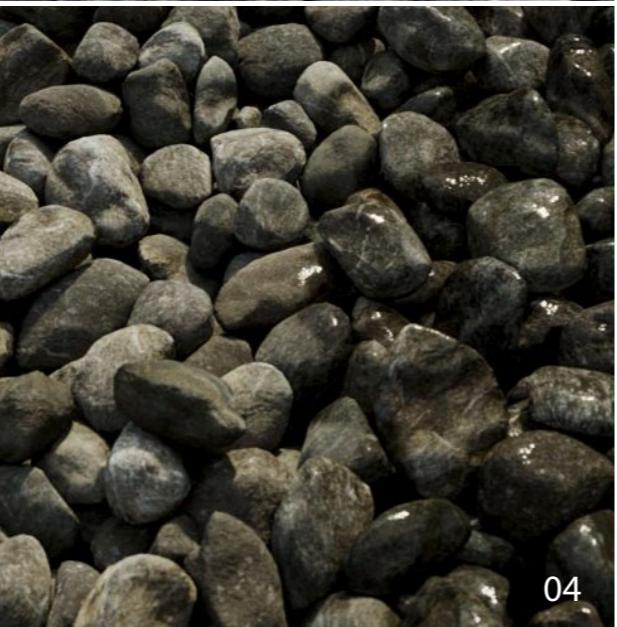
04

gravel-stone-005
Gravel Vol. 1 - Disk #4

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® *textures*

Variations

01
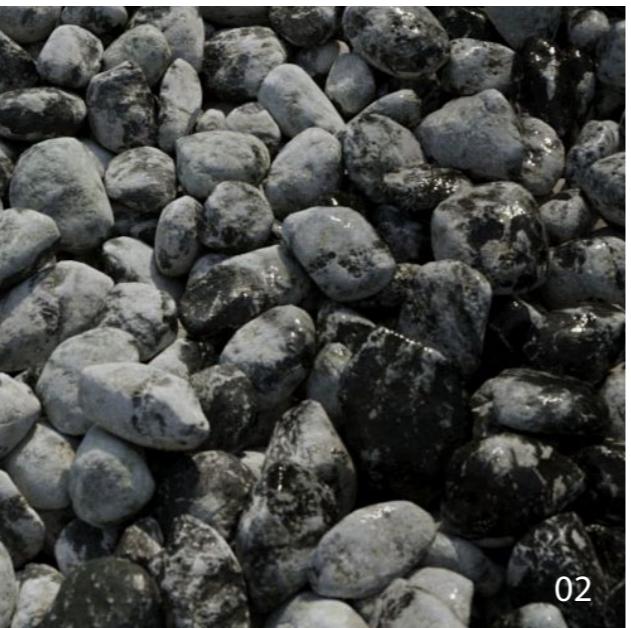
02

gravel-stone-006
Gravel Vol. 1 - Disk #4

Dry

Wet

Map

arroway® *textures*

0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

01

02

03

04
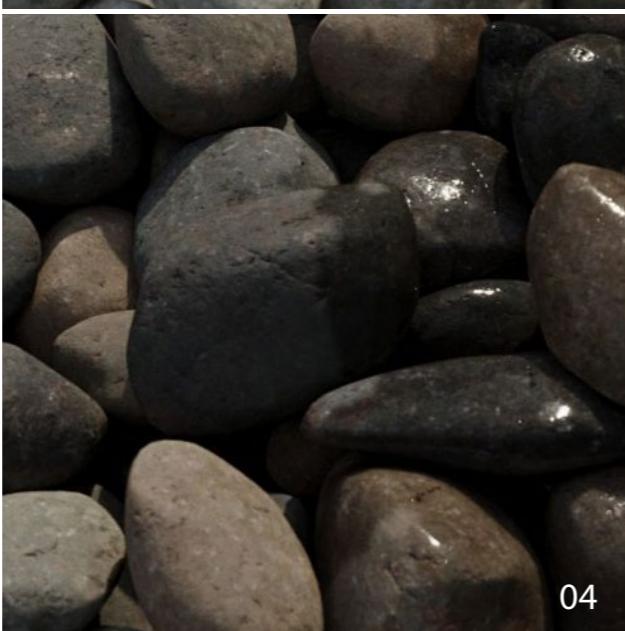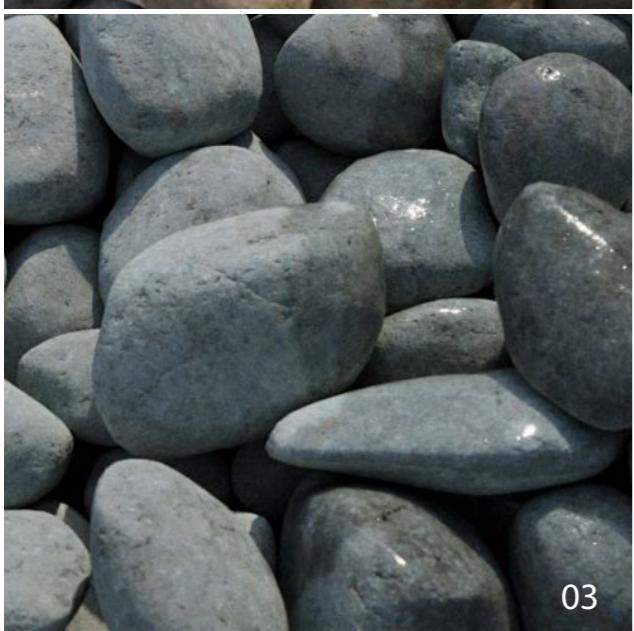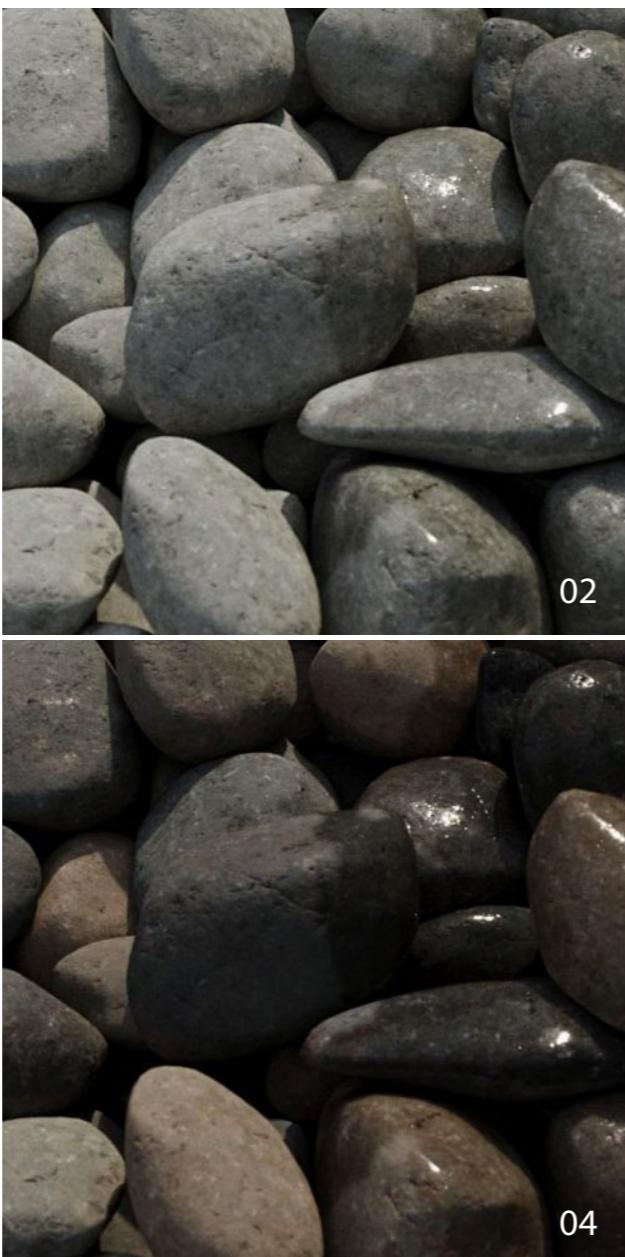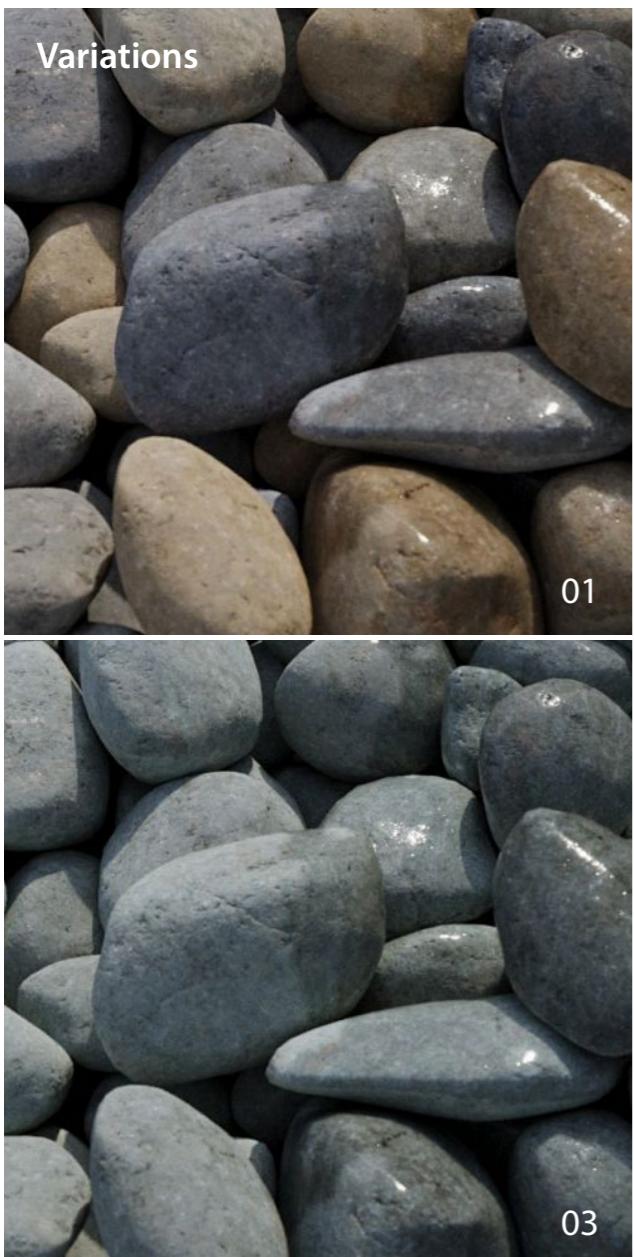
gravel-stone-007
Gravel Vol. 1 - Disk #4

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® *textures*

Variations

01
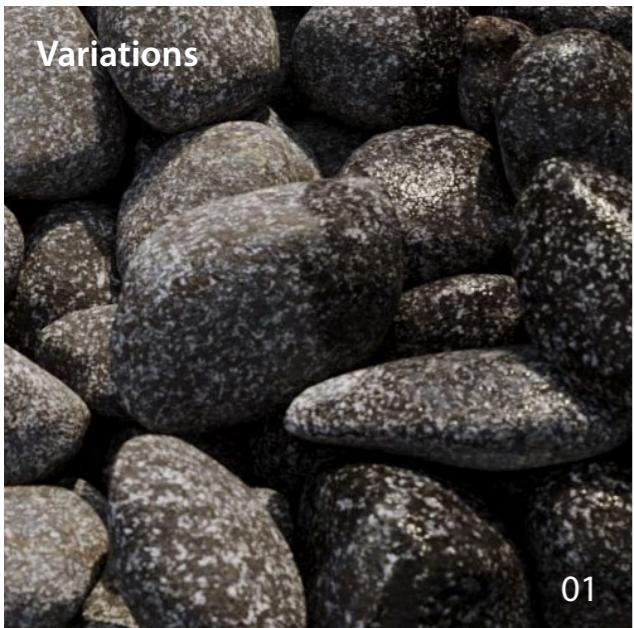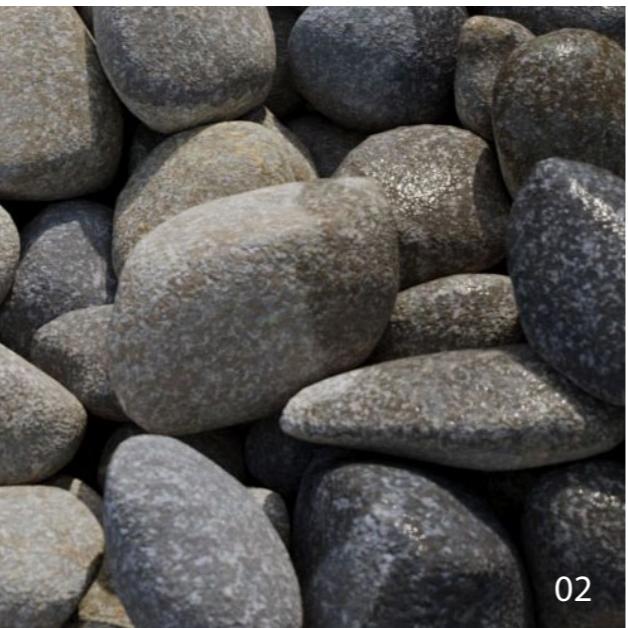
02

# gravel-stone-008
Gravel Vol. 1 - Disk #4

Dry

Wet

Map
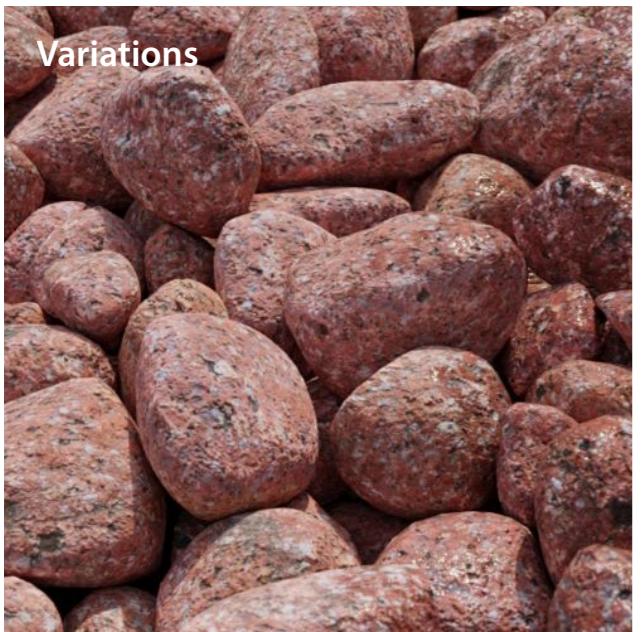
0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

gravel-stone-009
Gravel Vol. 1 - Disk #4

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway®
textures

Variations

dry

01
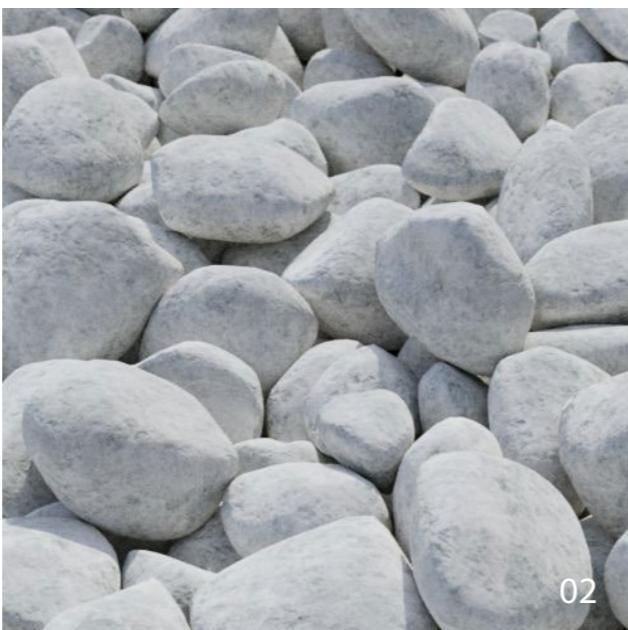
02

gravel-stone-010
Gravel Vol. 1 - Disk #4

Dry

Wet

Map
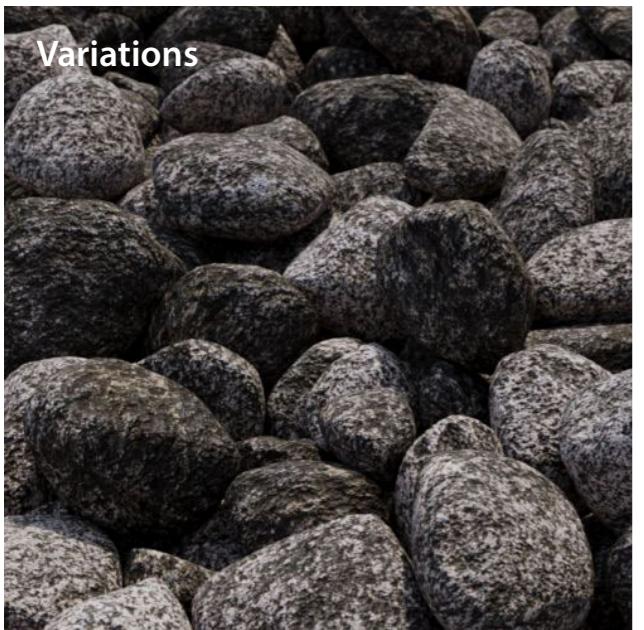
0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

gravel-stone-011
Gravel Vol. 1 - Disk #4
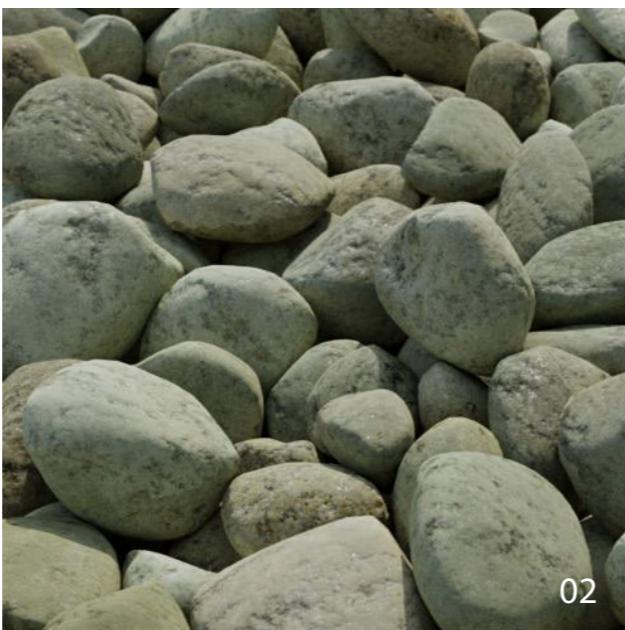
Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway ® *textures*

Variations

dry 01

02

gravel-stone-012
Gravel Vol. 1 - Disk #4

Dry

Wet

Map

arroway®
textures

0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

dry

01

02

03
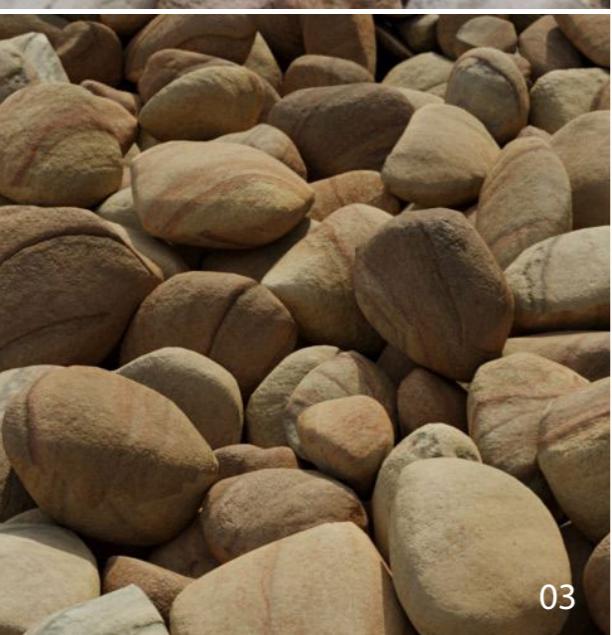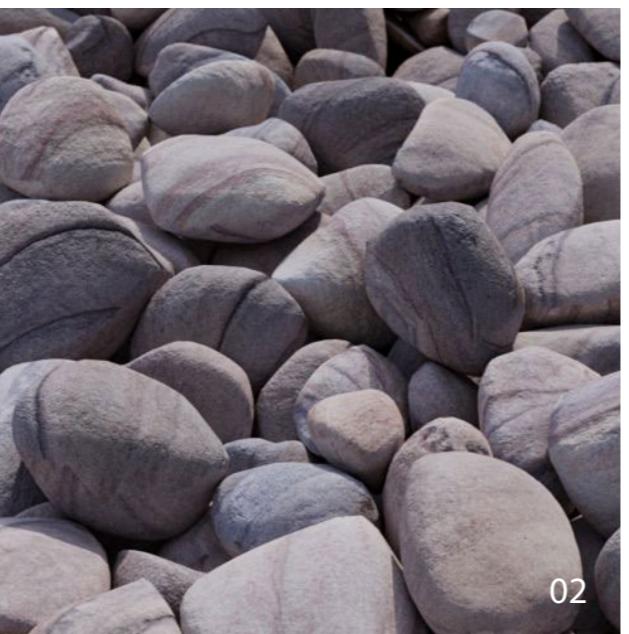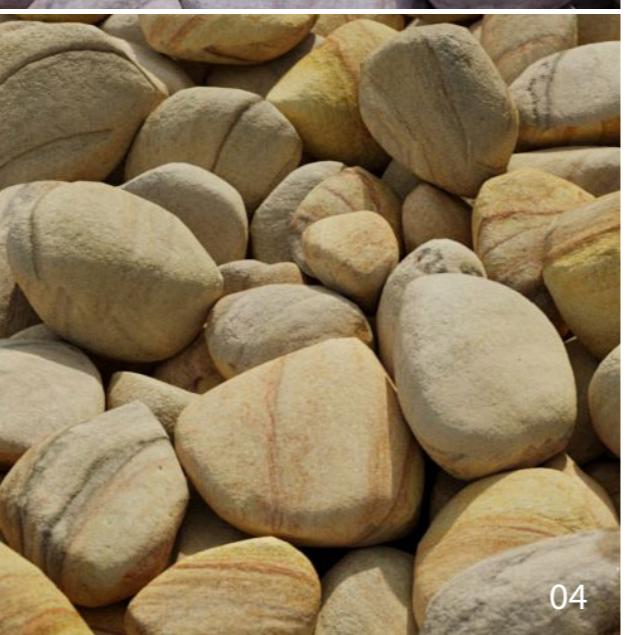
04

gravel-stone-013
Gravel Vol. 1 - Disk #4

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

dry 01

02

03
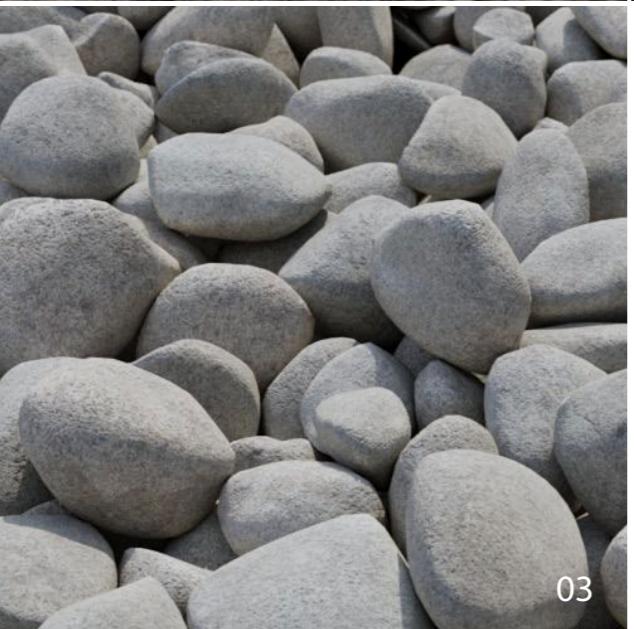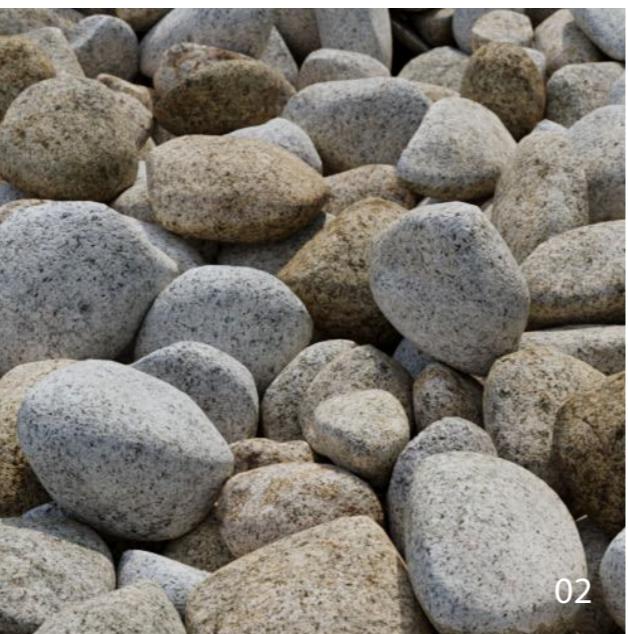
gravel-stone-014
Gravel Vol. 1 - Disk #4

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway®
textures

Variations

gravel-stone-015
Gravel Vol. 1 - Disk #4
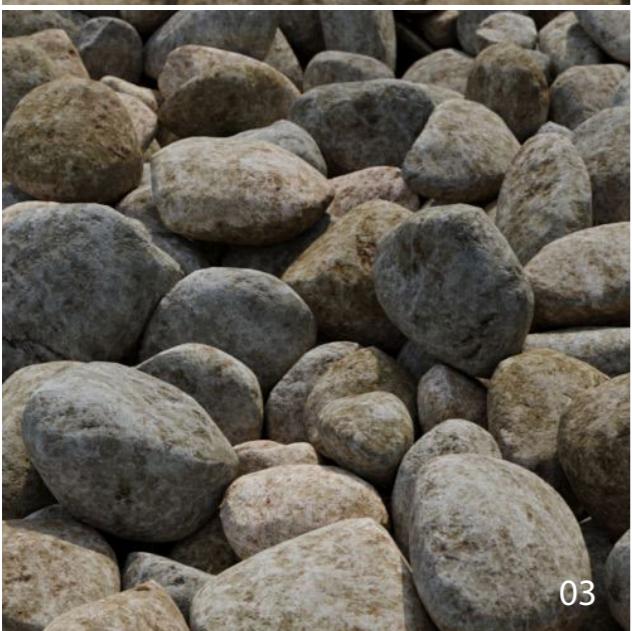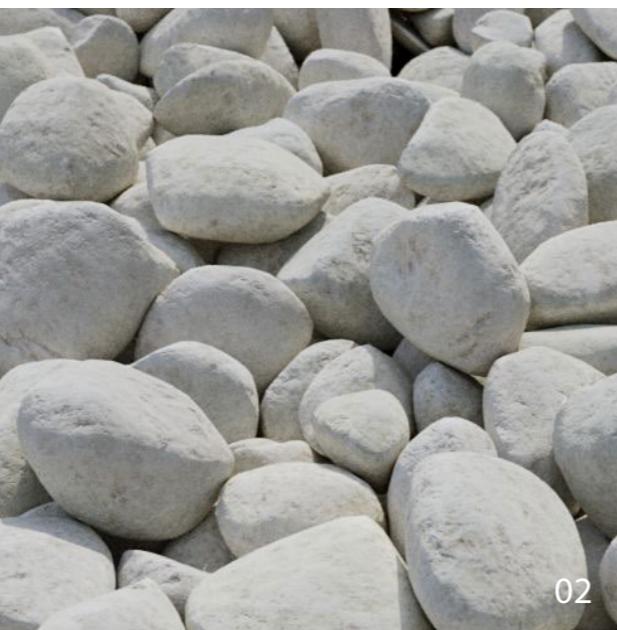
Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway®
textures

Variations

dry 01

02

03
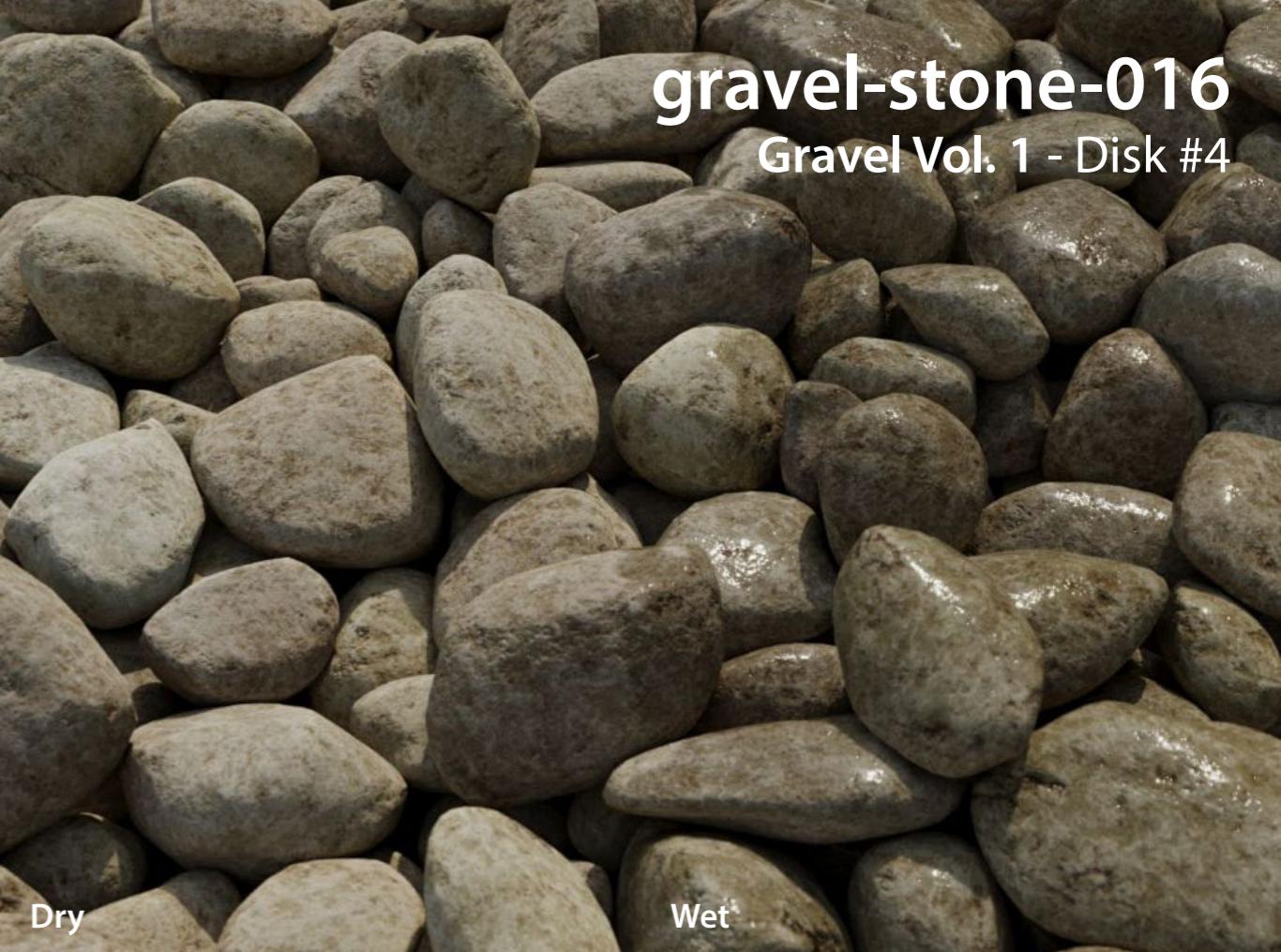
gravel-stone-016
Gravel Vol. 1 - Disk #4

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

01

02

03

04
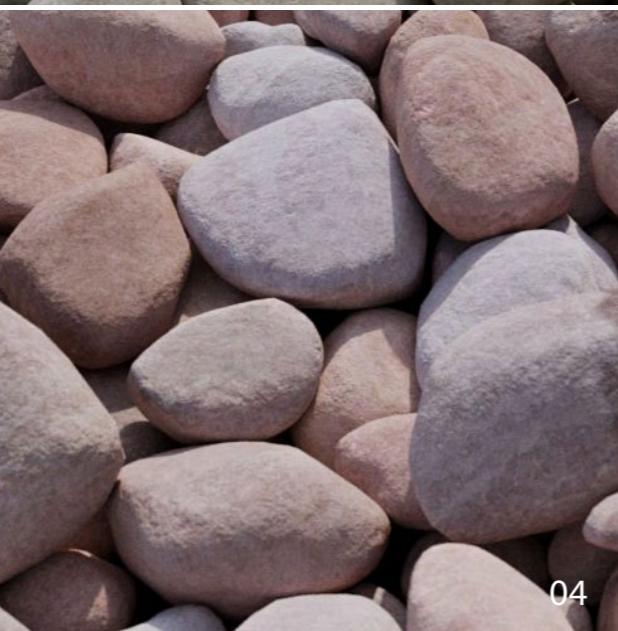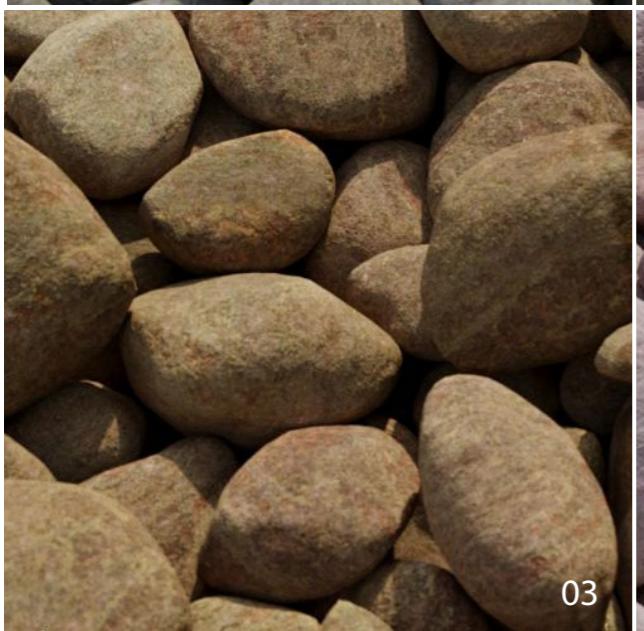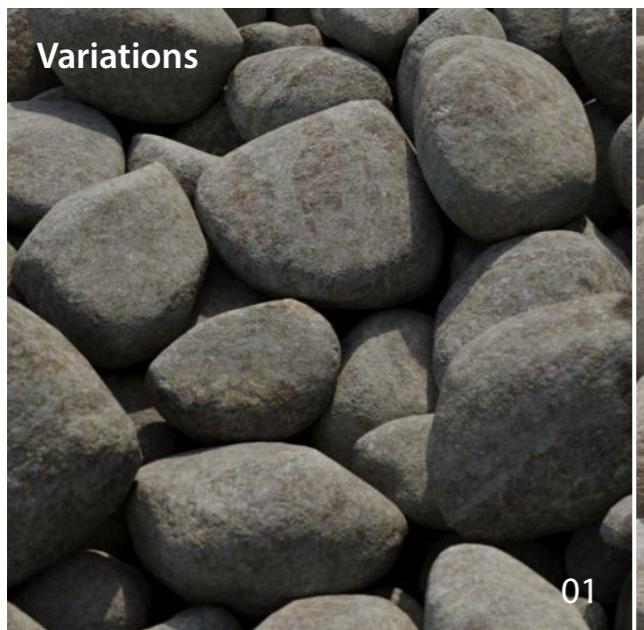
gravel-stone-017
Gravel Vol. 1 - Disk #4

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway textures

Variations

dry

01

02

03

04
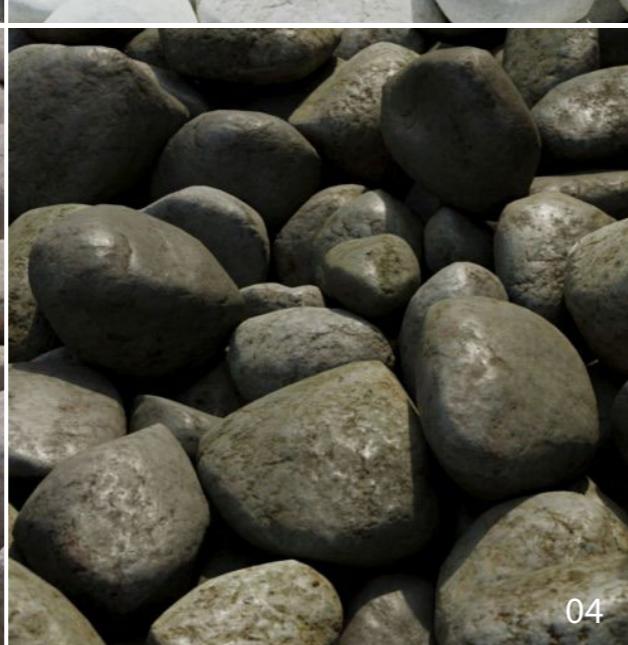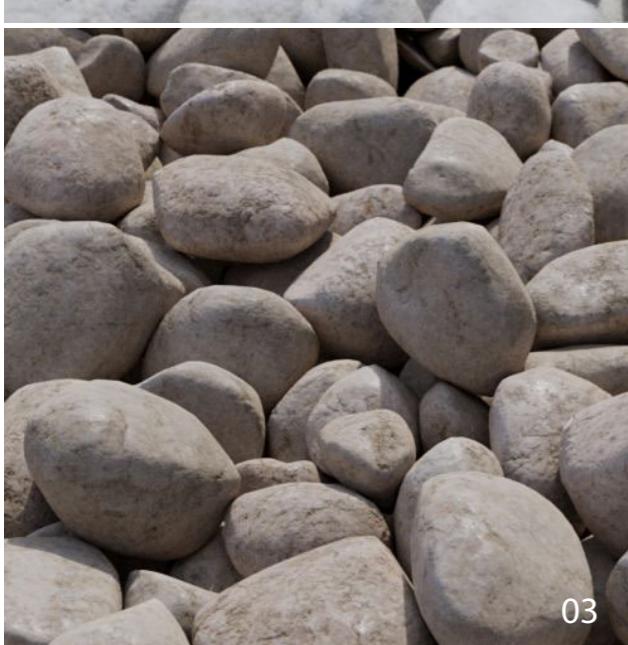
gravel-stone-018
Gravel Vol. 1 - Disk #4
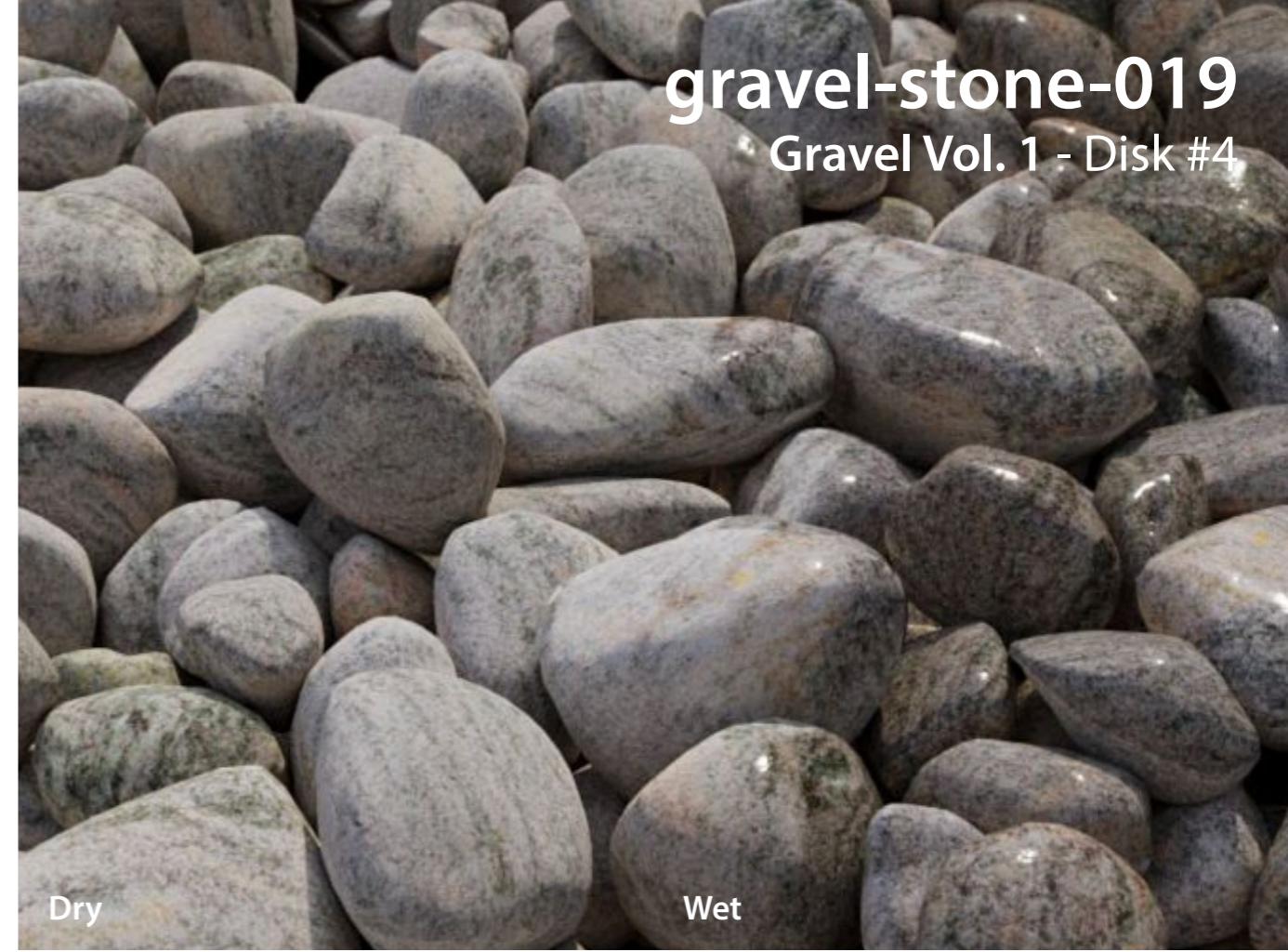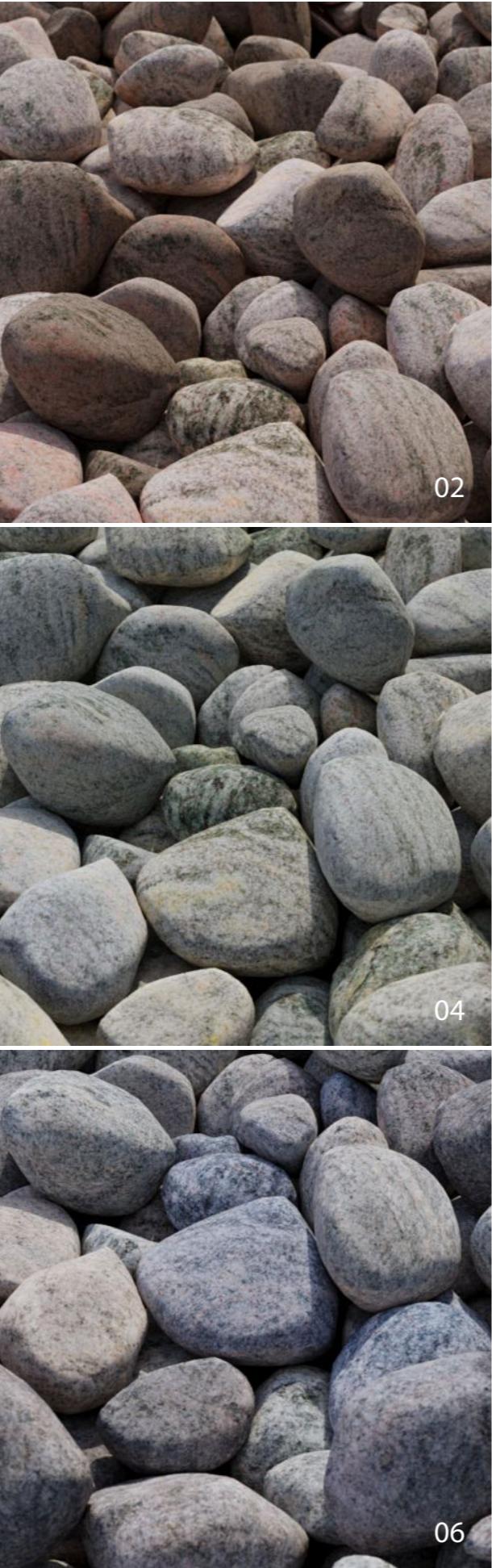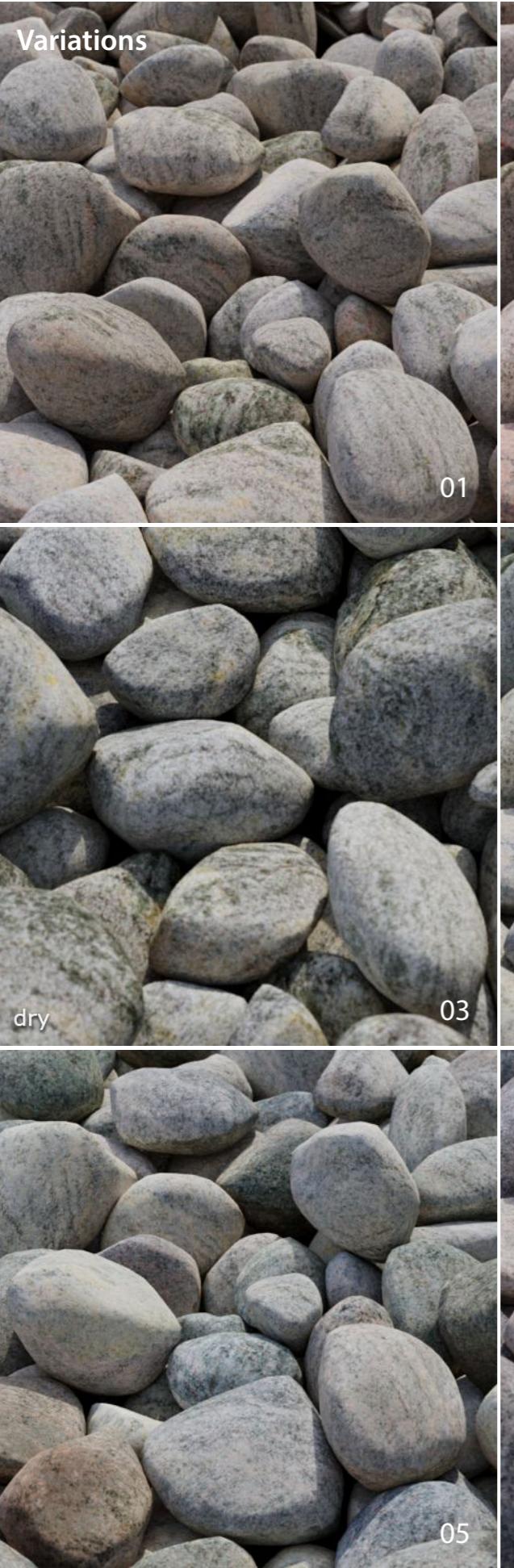
Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

01

02

dry 03

04

05

06
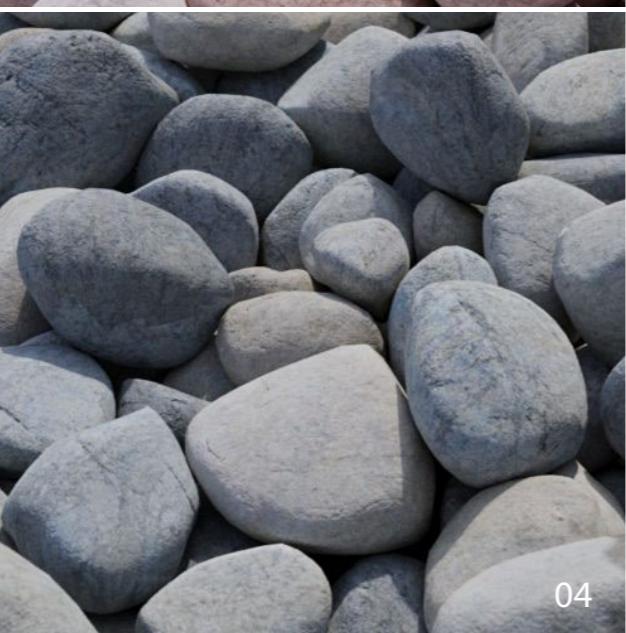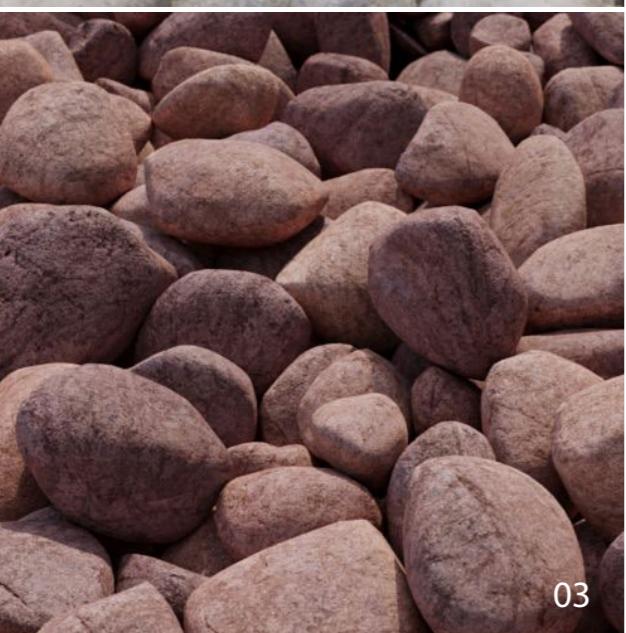
gravel-stone-019
Gravel Vol. 1 - Disk #4

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® *textures*

Variations

dry

01

02

03

04
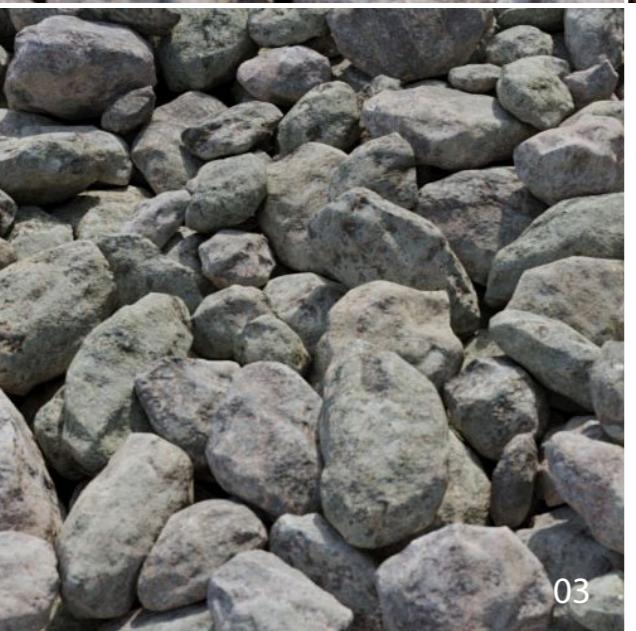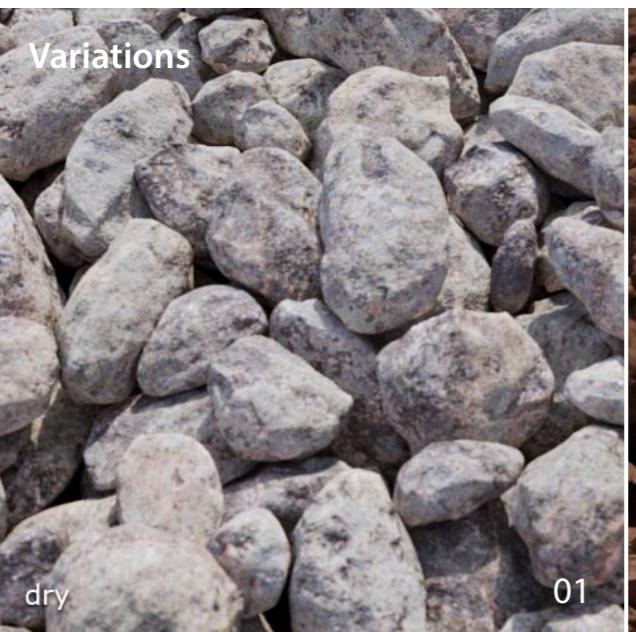
gravel-stone-020

Gravel Vol. 1 - Disk #4

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

dry   01

02

03

gravel-stone-021
Gravel Vol. 1 - Disk #4
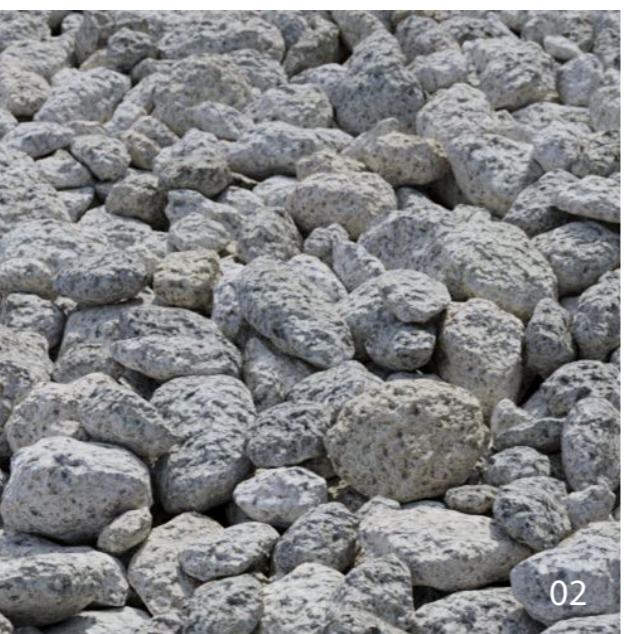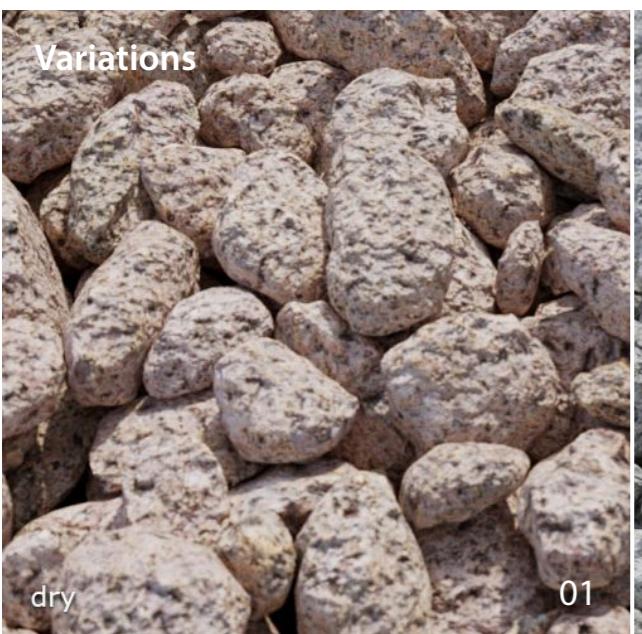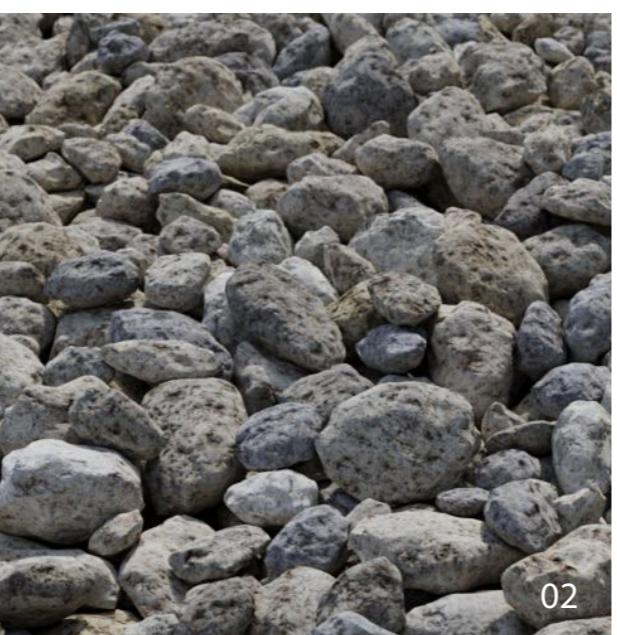
Dry   Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

dry   01

02

gravel-stone-022
Gravel Vol. 1 - Disk #4

Dry   Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

dry

01

02

gravel-stone-023
Gravel Vol. 1 - Disk #4

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway textures

Variations

dry 01

02
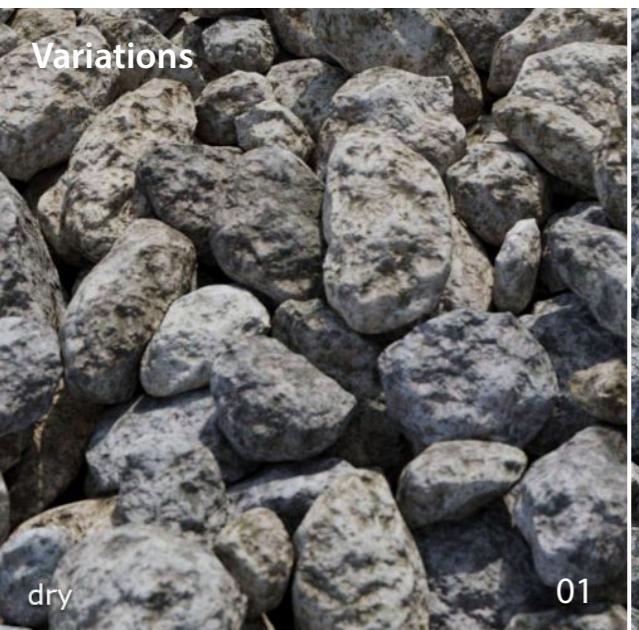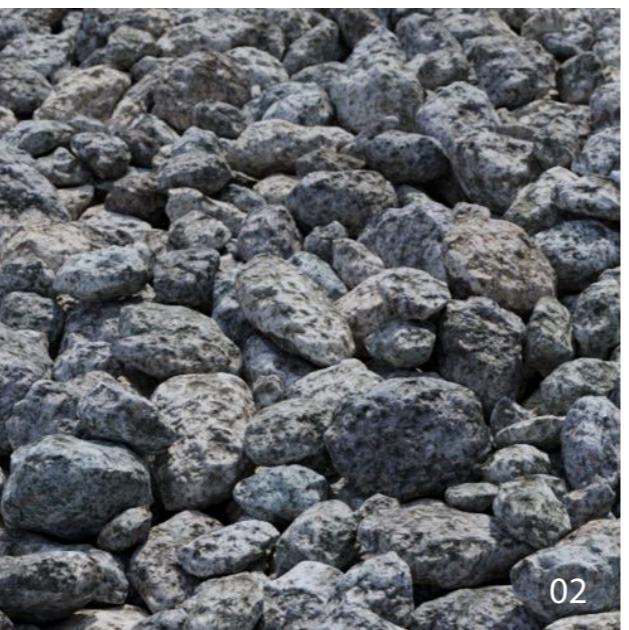
03

gravel-stone-024
Gravel Vol. 1 - Disk #4

Dry Wet

Map
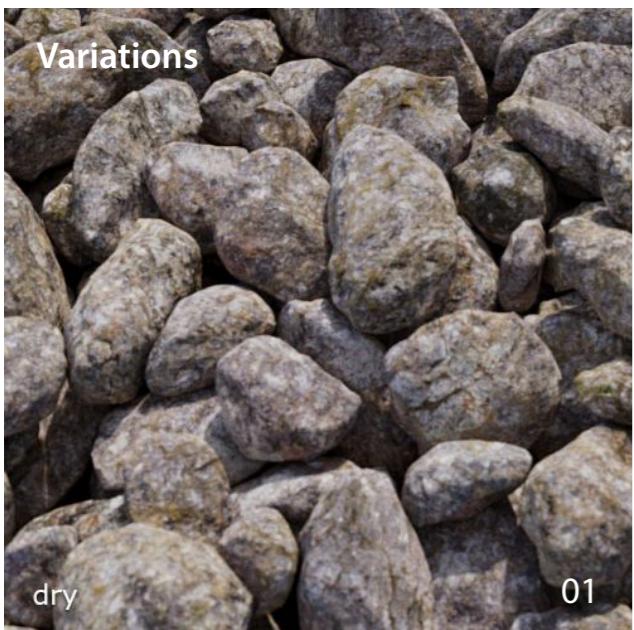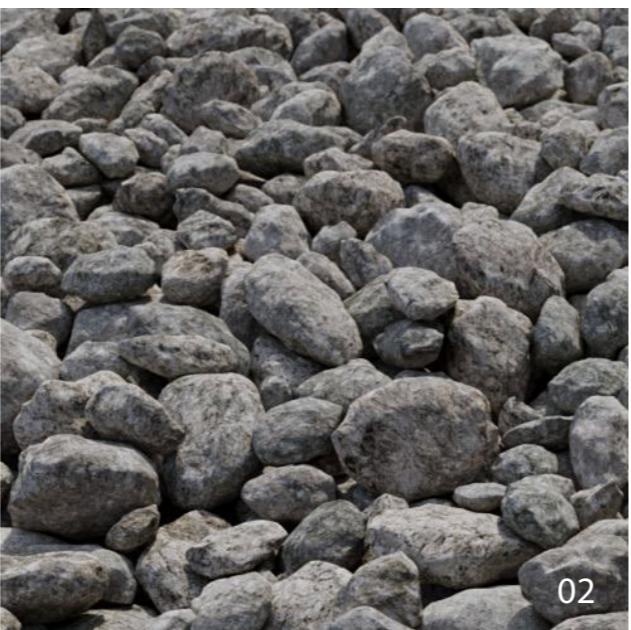
0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

dry   01

02

gravel-stone-025
Gravel Vol. 1 - Disk #5

Dry   Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

01

02

03

04

05

06

dry 07
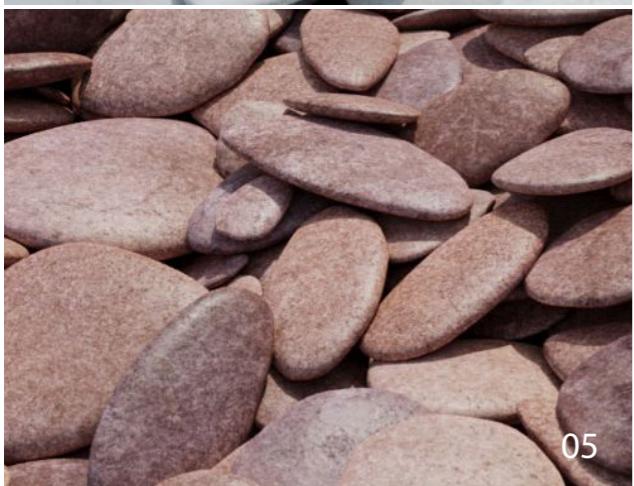
gravel-stone-026
Gravel Vol. 1 - Disk #5

Dry

Wet

Map

arroway textures
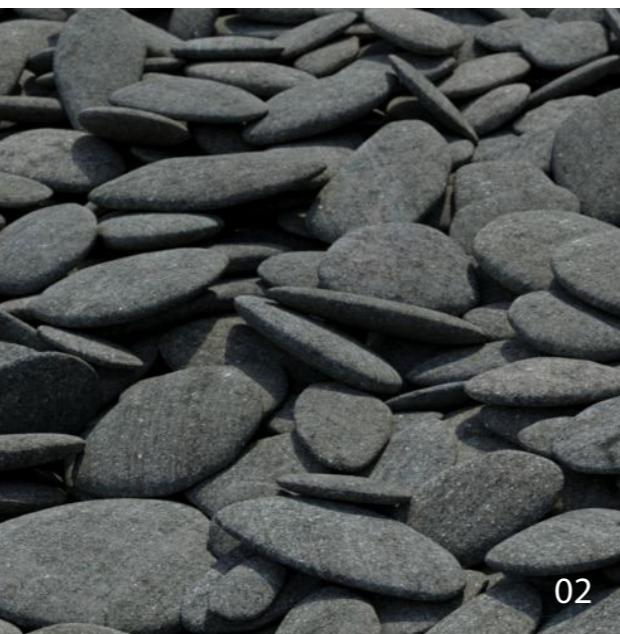
0.5m x 0.5m @ 208dpi | 4096px x 4096px
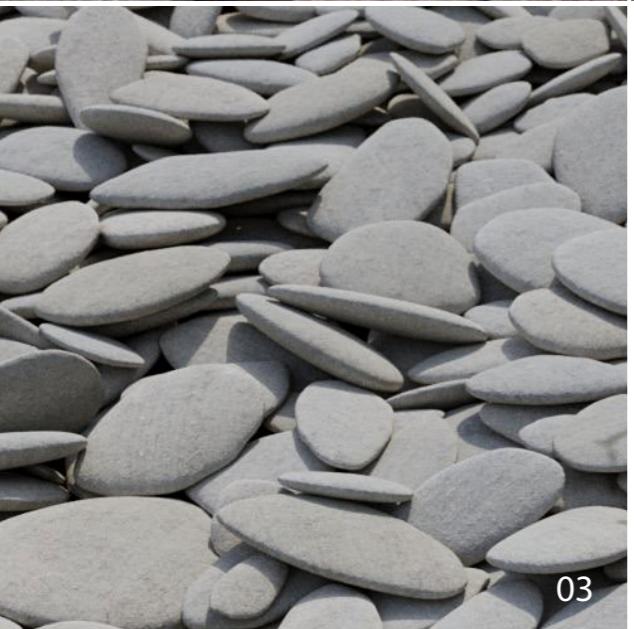
Variations

dry
01
02
03

gravel-stone-027
Gravel Vol. 1 - Disk #5

Dry
Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® *textures*

Variations

01

02

03

04

05

06

07

08
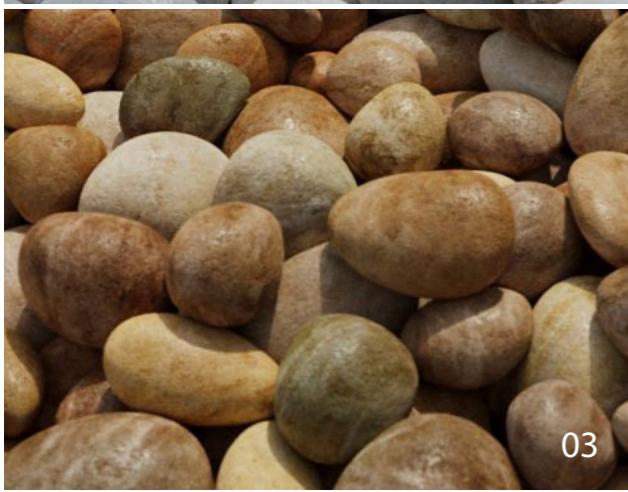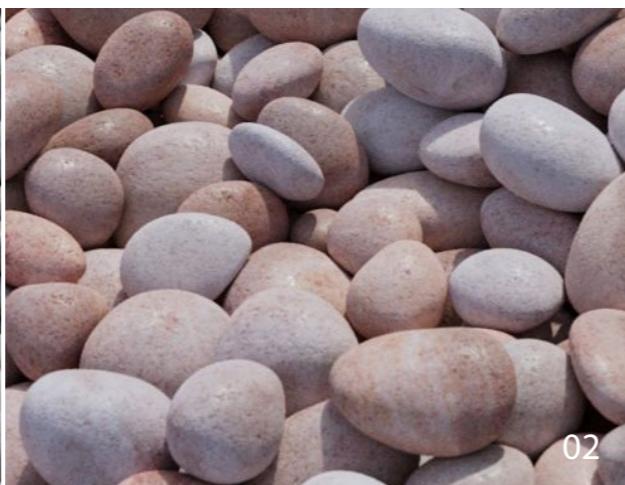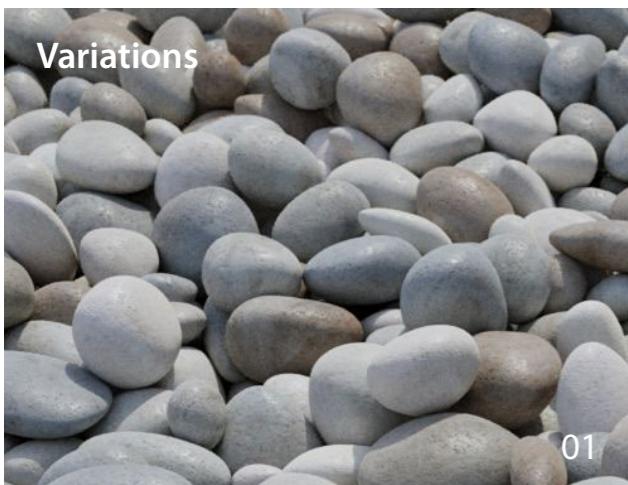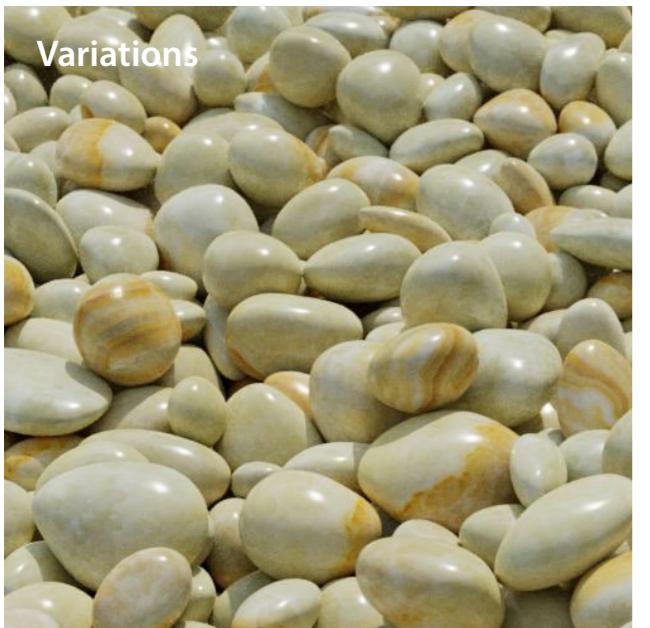
gravel-stone-028
Gravel Vol. 1 - Disk #5

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

gravel-stone-029
Gravel Vol. 1 - Disk #5

Dry

Wet

Map
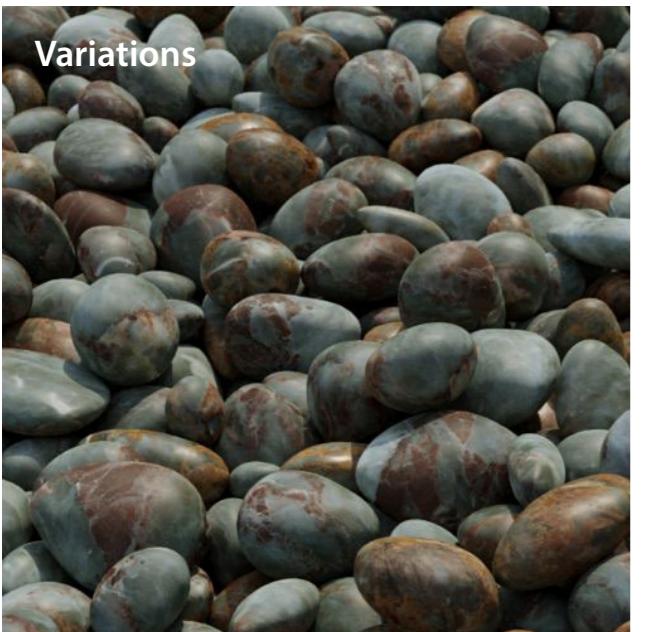
0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

gravel-stone-030
Gravel Vol. 1 - Disk #5

Dry

Wet

Map

arroway® textures

0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

gravel-stone-031
Gravel Vol. 1 - Disk #5

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® *textures*

**Variations**

gravel-stone-032
Gravel Vol. 1 - Disk #5

Dry

Wet

Map
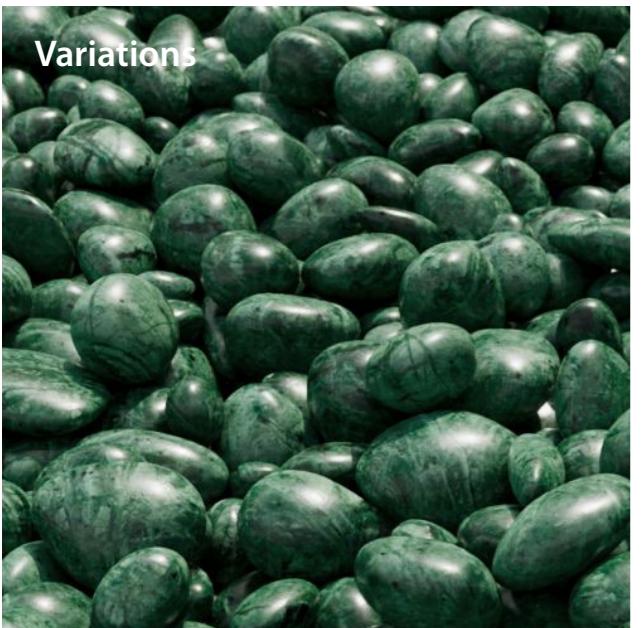
0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® *textures*

Variations

gravel-stone-033
Gravel Vol. 1 - Disk #5
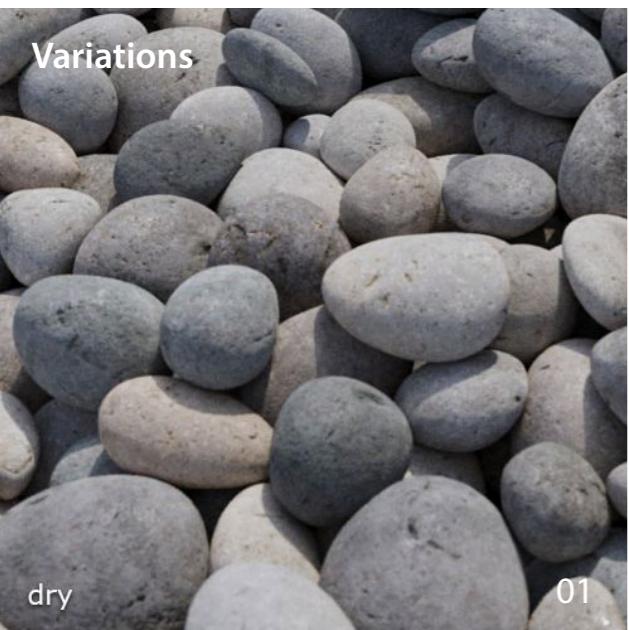
Dry   Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway®
textures

Variations

dry   01

02

03
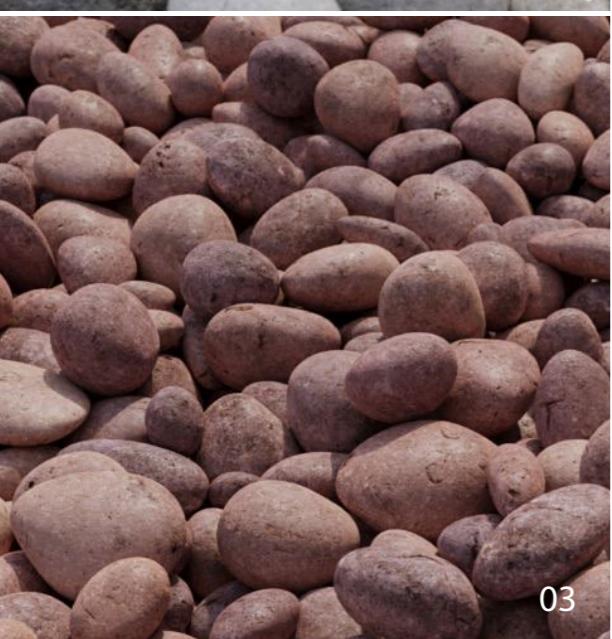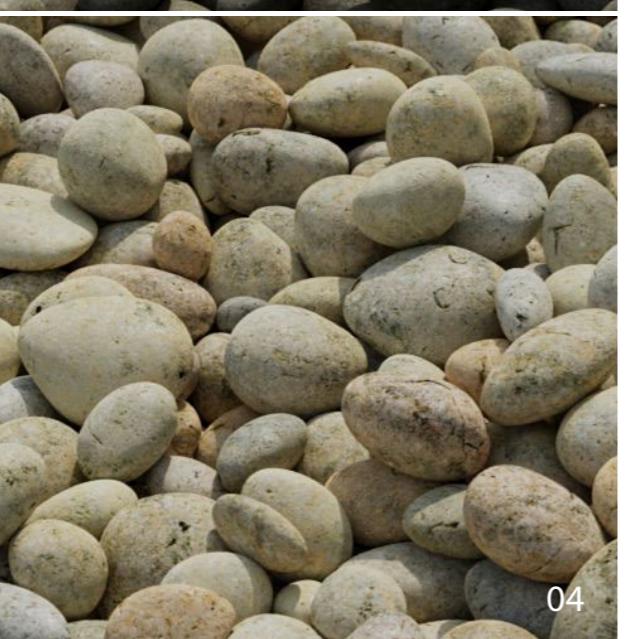
04

gravel-stone-034
Gravel Vol. 1 - Disk #5

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

01

02

dry

03

04

05

06
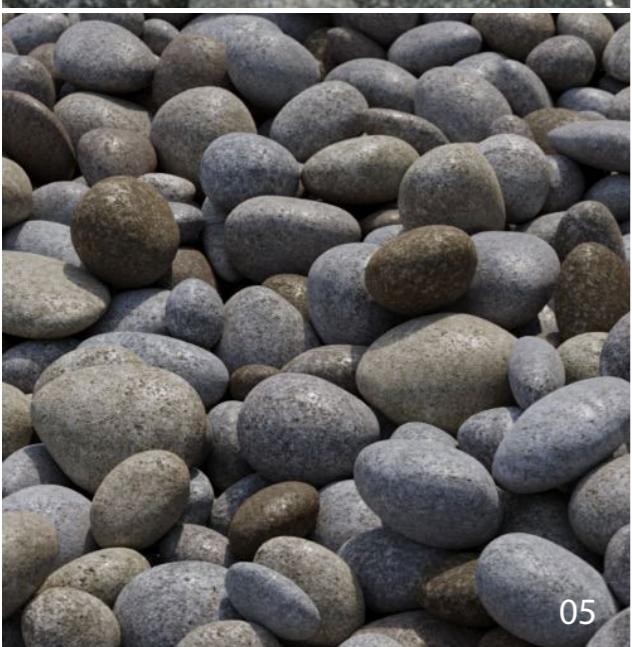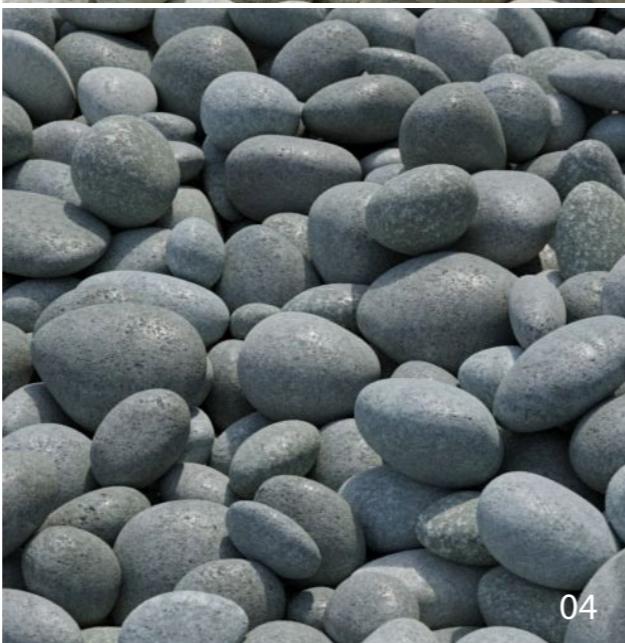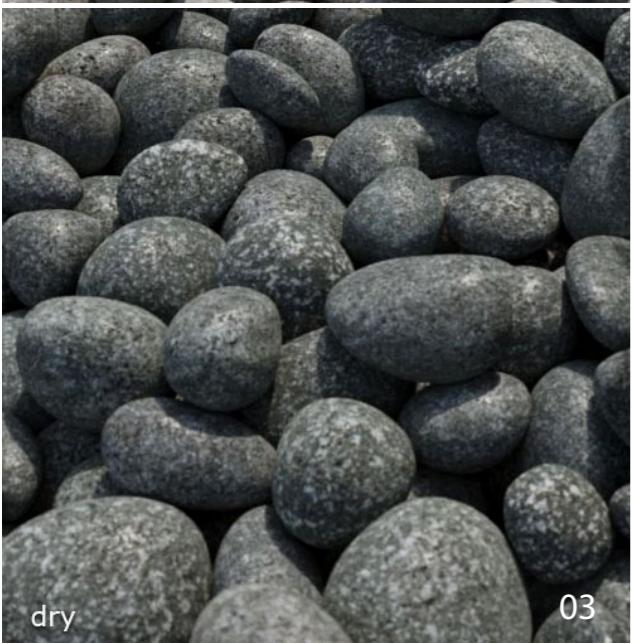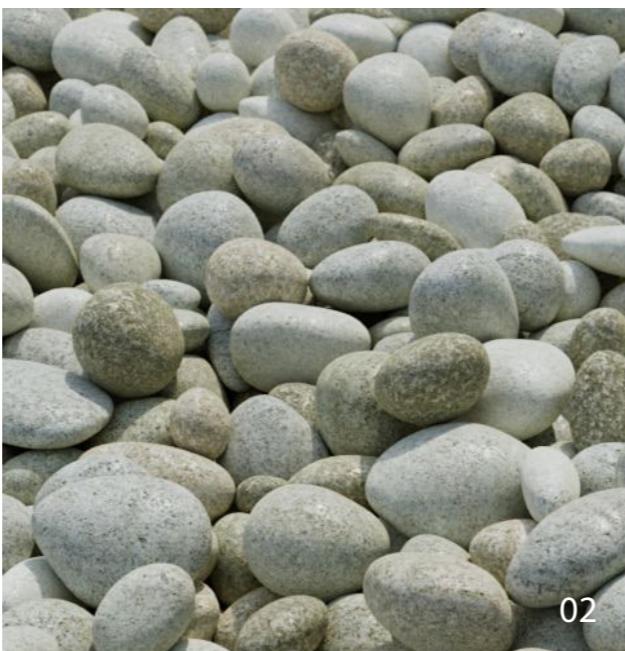
gravel-stone-035
Gravel Vol. 1 - Disk #5

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures
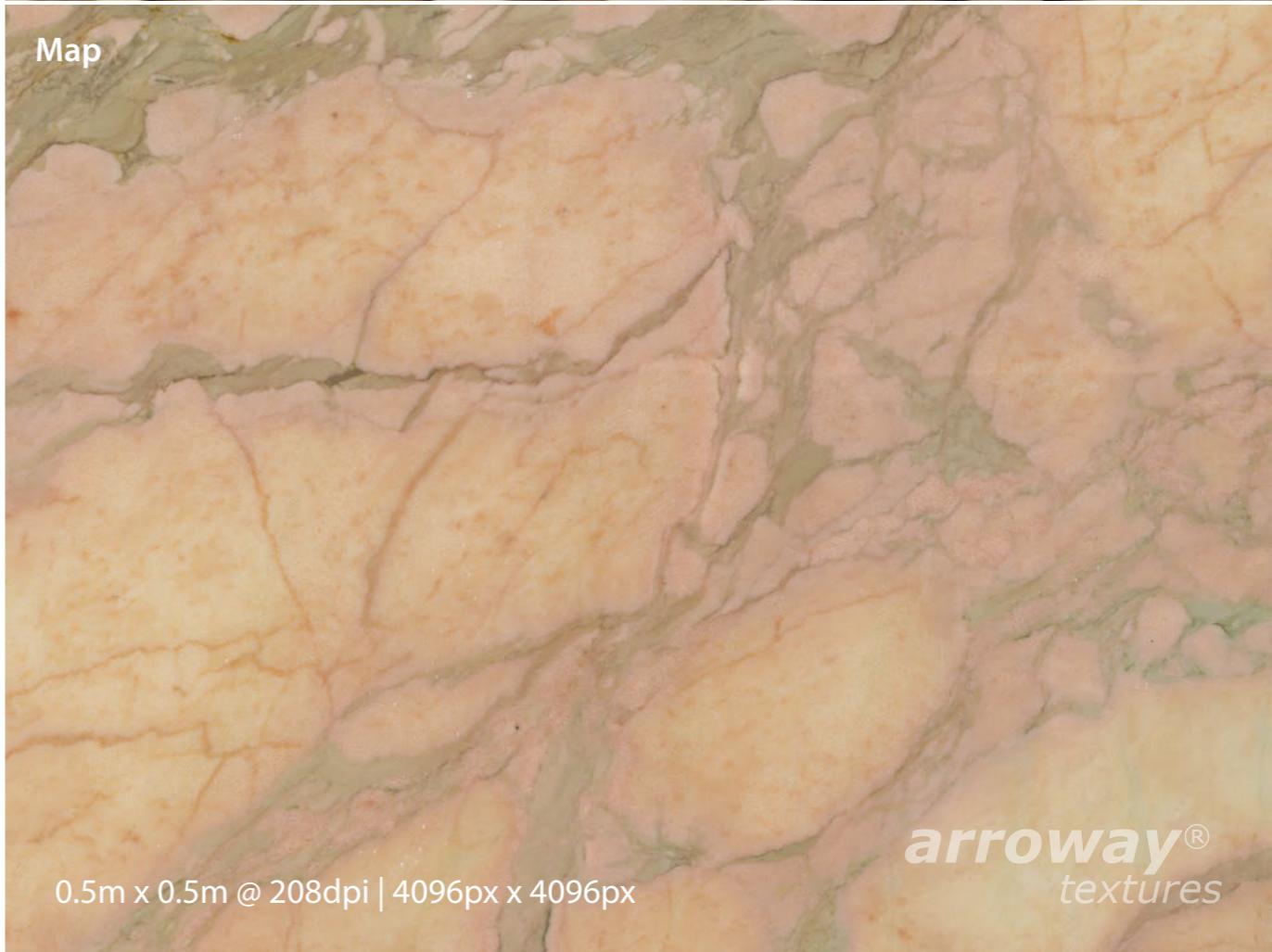
Variations

gravel-stone-036
Gravel Vol. 1 - Disk #5

Dry

Wet

Map
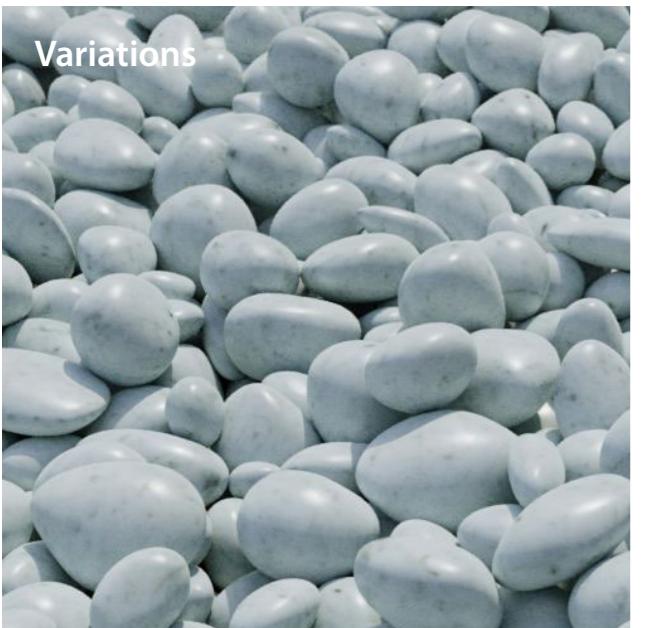
arroway®
textures

0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

gravel-stone-037
Gravel Vol. 1 - Disk #5

Dry

Wet

Map
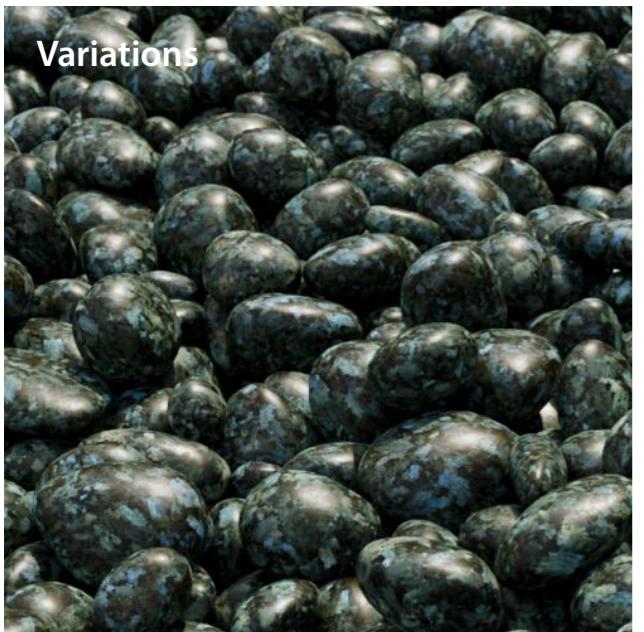
0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

gravel-stone-038
## Gravel Vol. 1 - Disk #5

Dry   Wet

Map
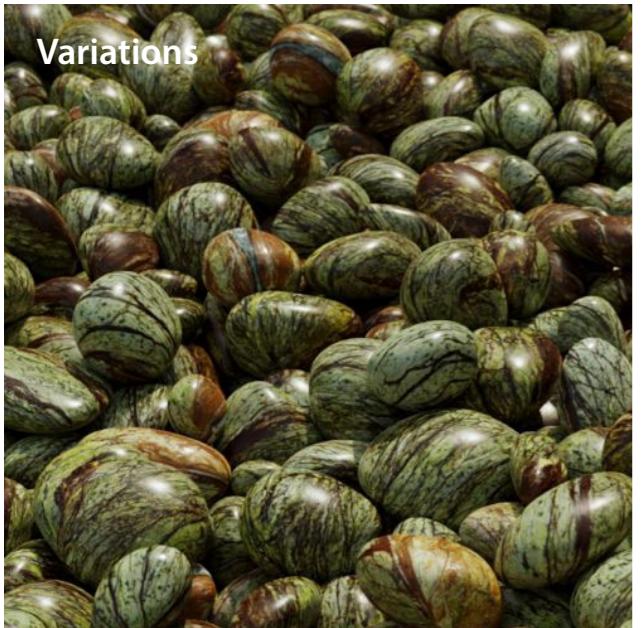
0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway®
textures

Variations

gravel-stone-039
Gravel Vol. 1 - Disk #5

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

dry

01

02

03

04
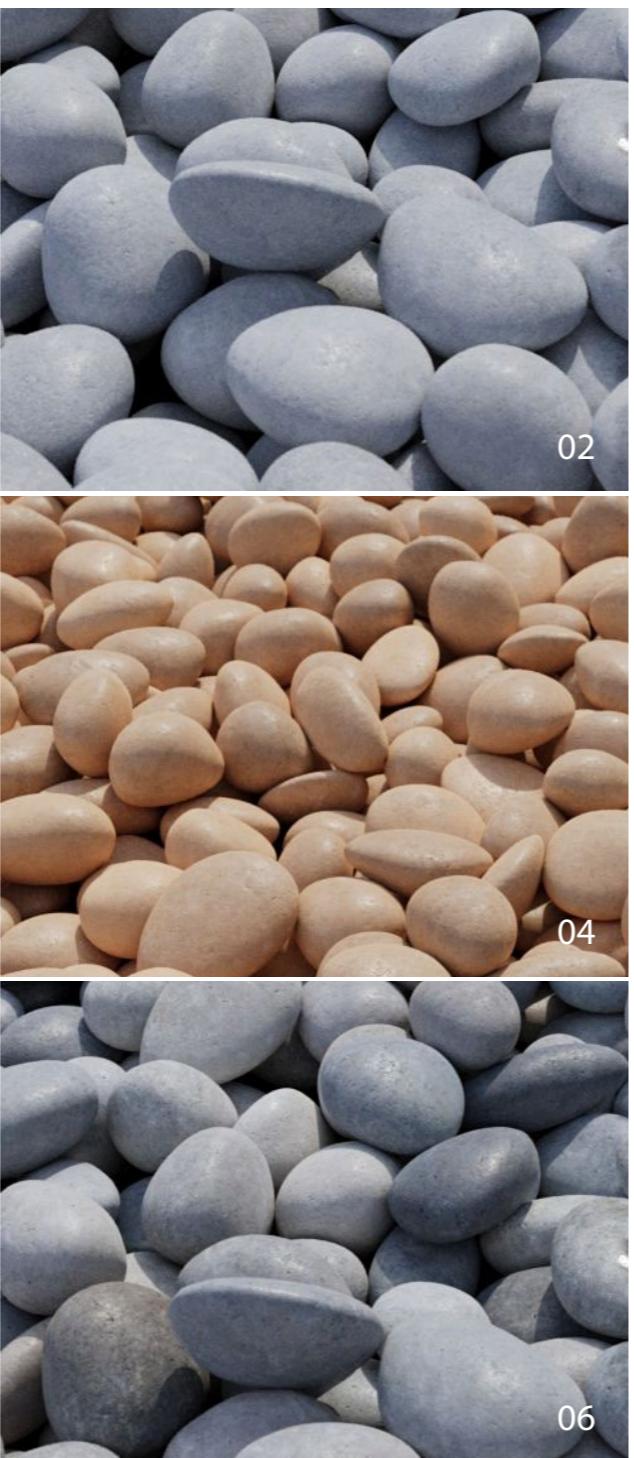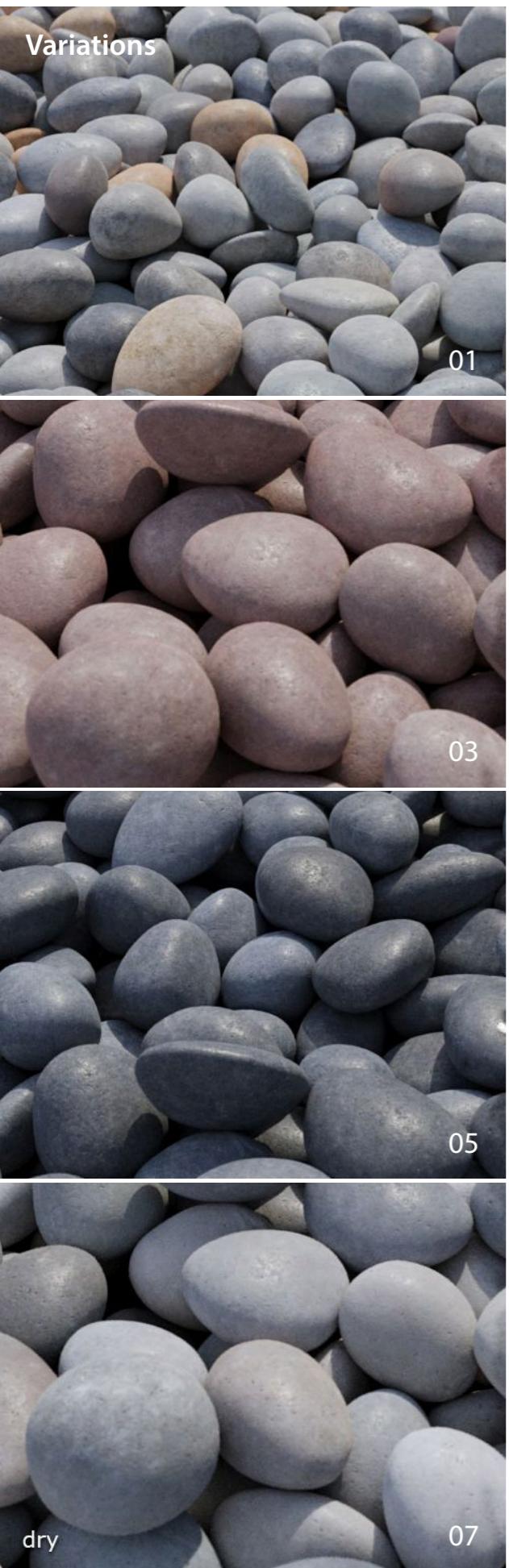
gravel-stone-040
Gravel Vol. 1 - Disk #5

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway®
*textures*

Variations

01

02

03

04

05

06

dry 07
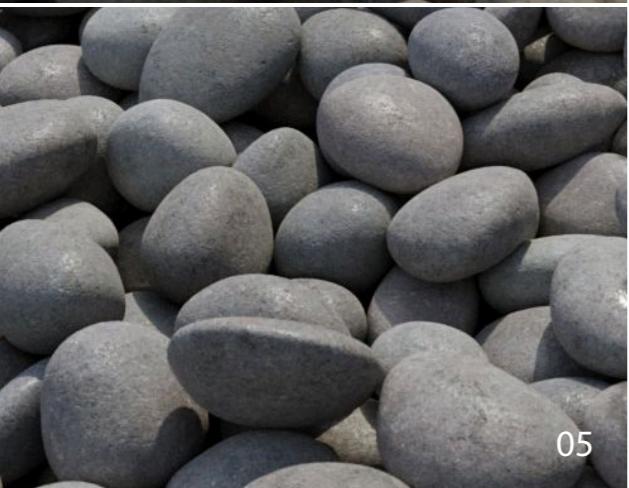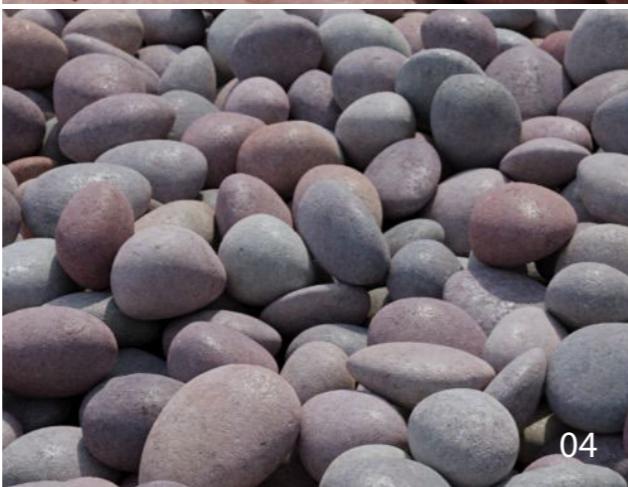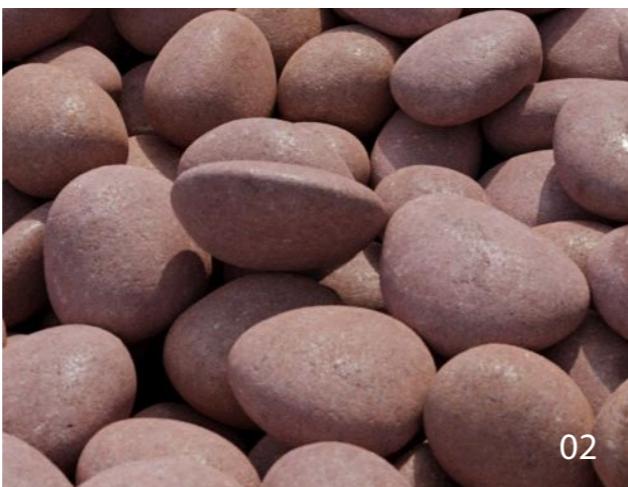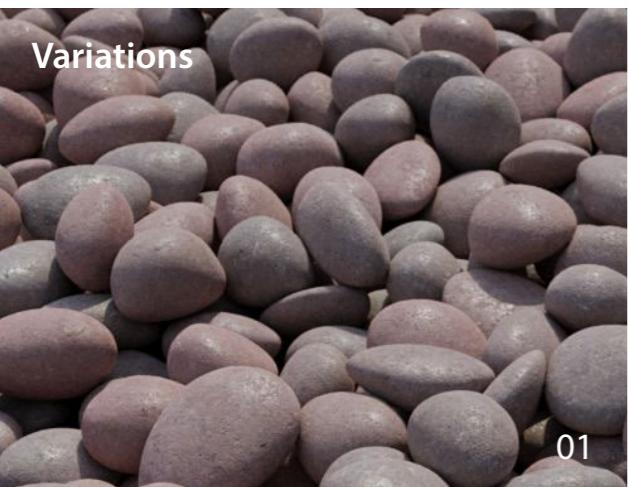
gravel-stone-041

Gravel Vol. 1 - Disk #5

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway®
textures

Variations

01

02

03

04

05

06

dry

07
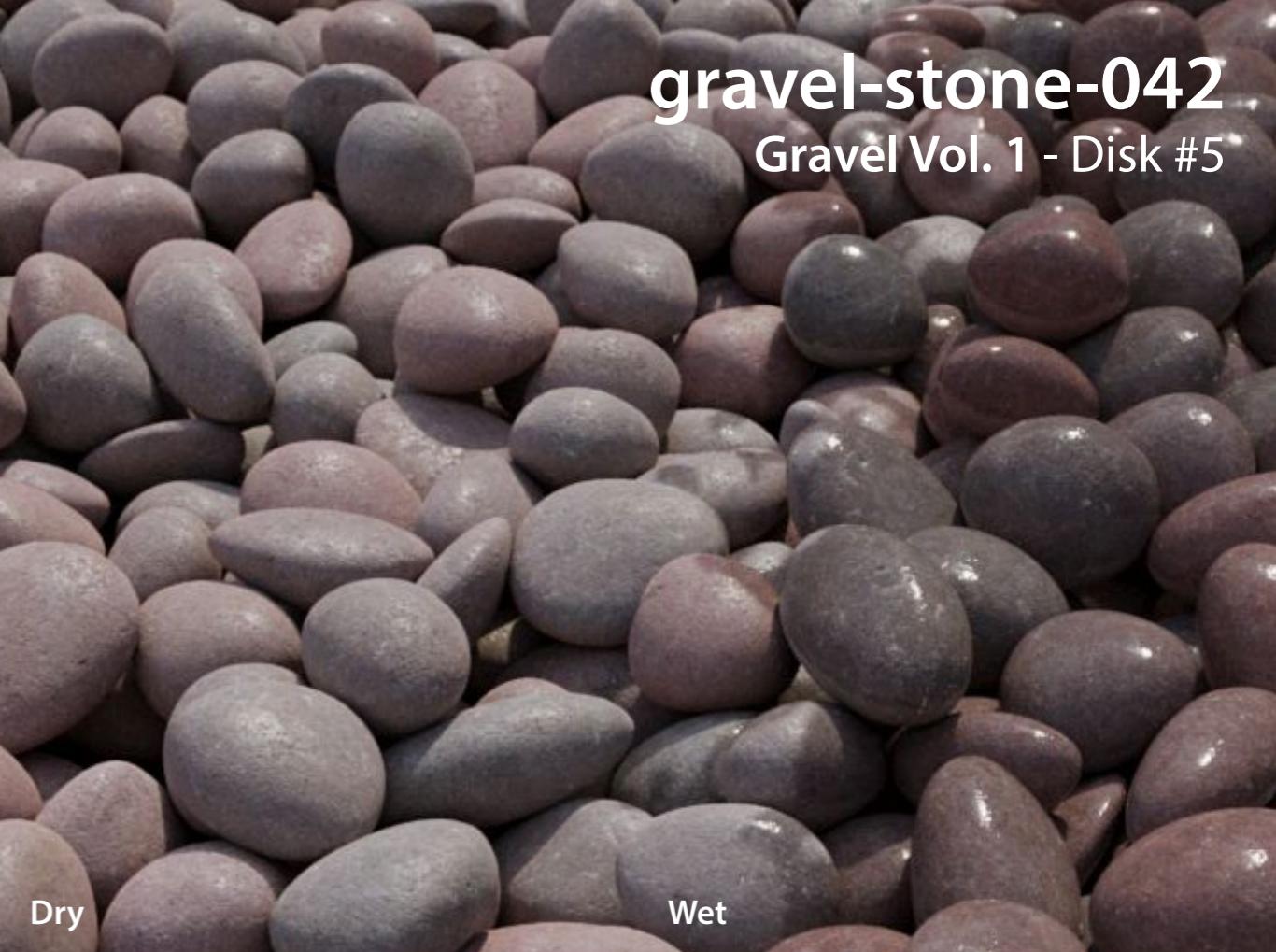
gravel-stone-042
Gravel Vol. 1 - Disk #5

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® *textures*

Variations

01

02

03

04

05

06

07

08

dry 09

gravel-stone-043
Gravel Vol. 1 - Disk #5

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® *textures*

Variations

dry

01

02

03
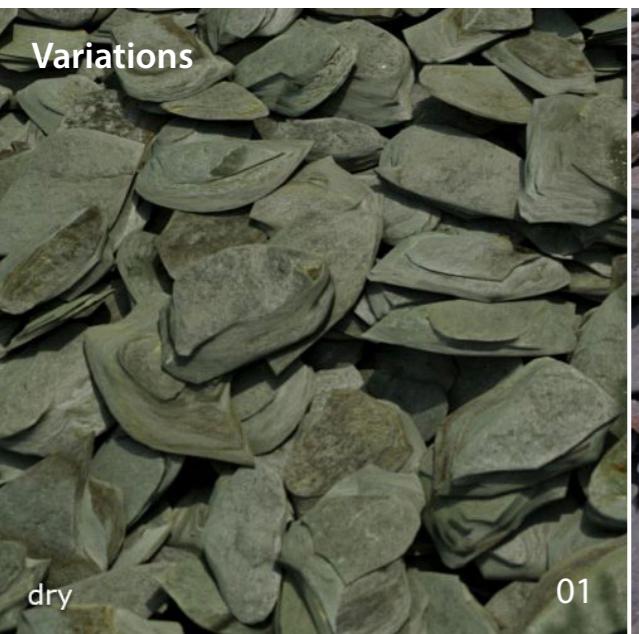
04

gravel-stone-044
Gravel Vol. 1 - Disk #5

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

dry   01

02

03

04
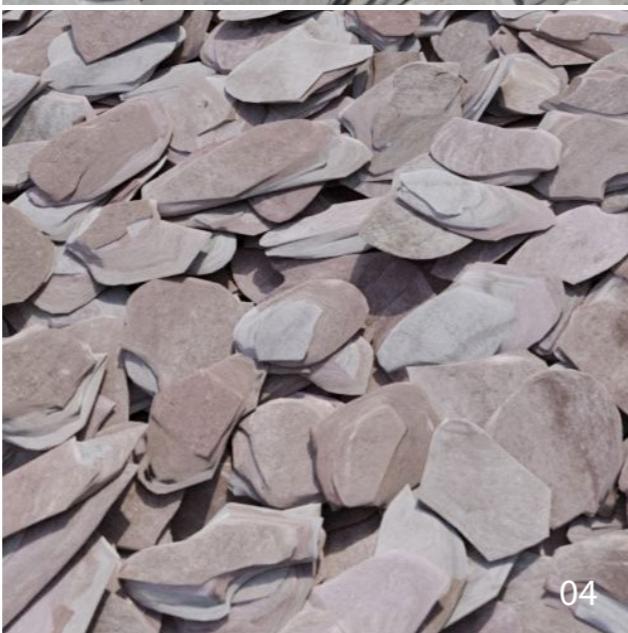
gravel-stone-045
## Gravel Vol. 1 - Disk #5

Dry   Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® *textures*

Variations

dry

01

02

03

04
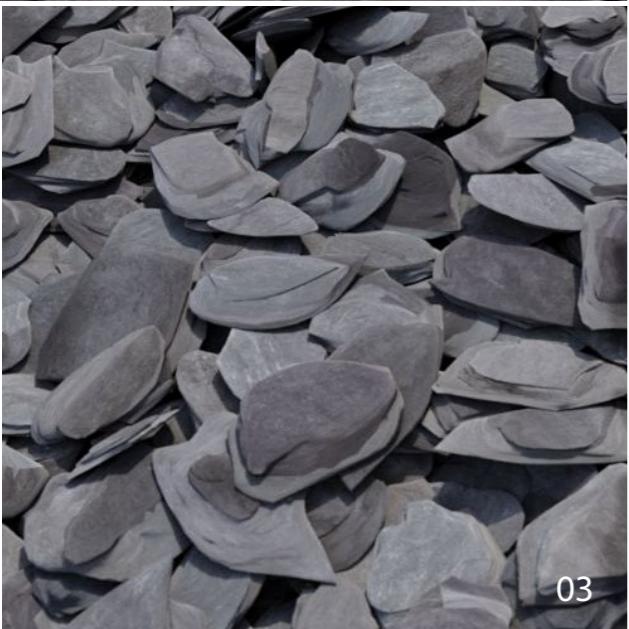
gravel-stone-046
Gravel Vol. 1 - Disk #5

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® *textures*

Variations

01

02

dry 03

04

05
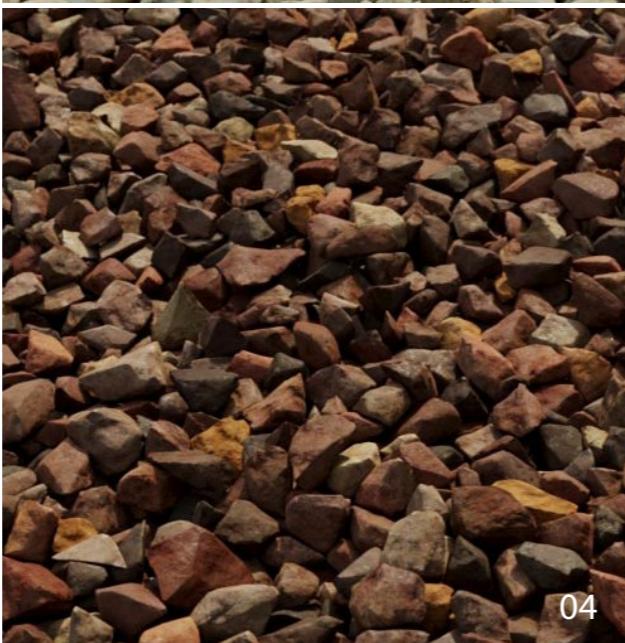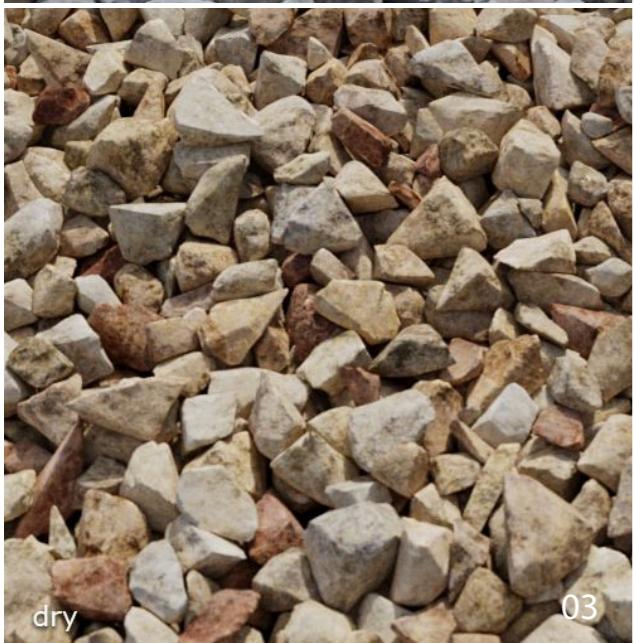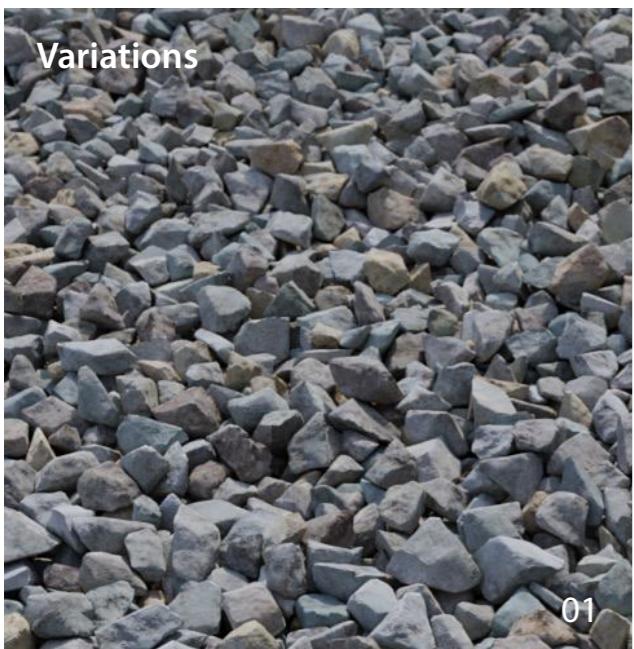
gravel-stone-047

Gravel Vol. 1 - Disk #5

Dry Wet

Map
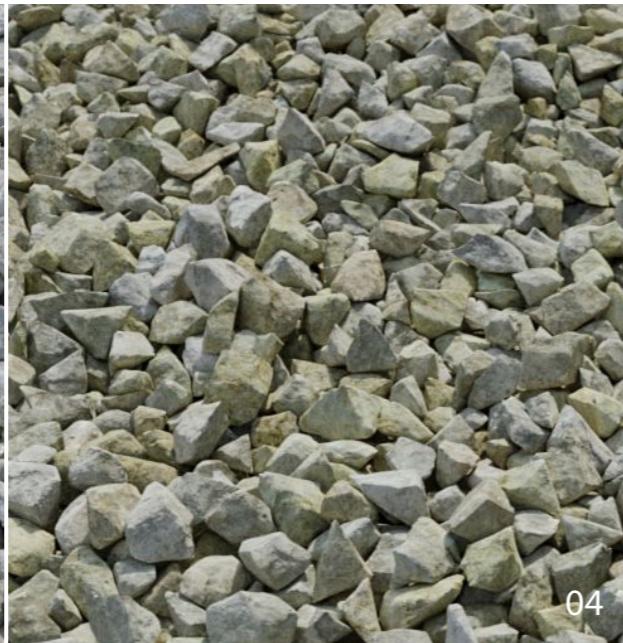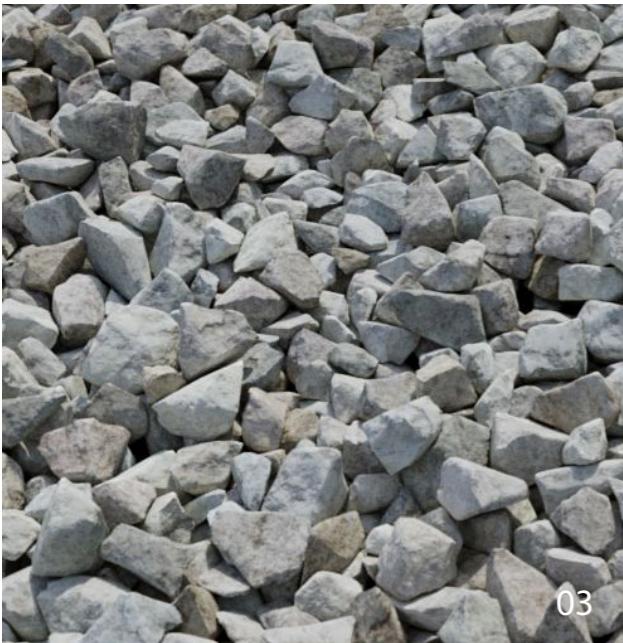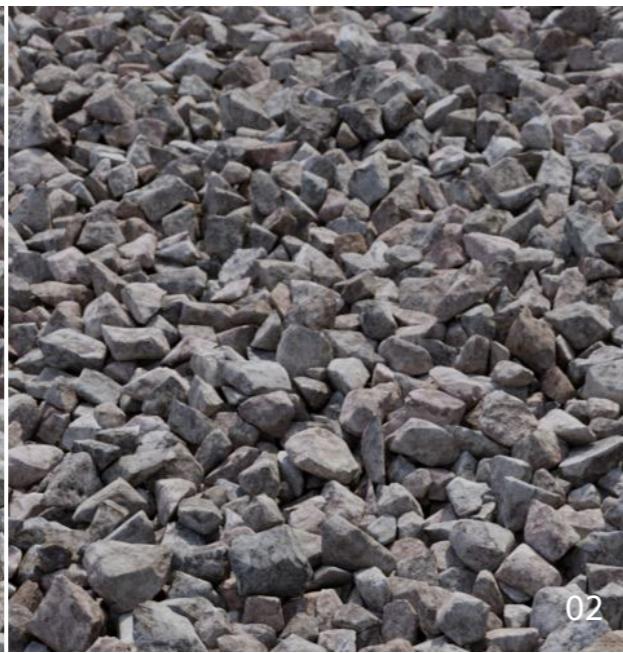
0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

gravel-stone-048
Gravel Vol. 1 - Disk #5

Variations

01

02

03

04

05

Dry

Wet

Map
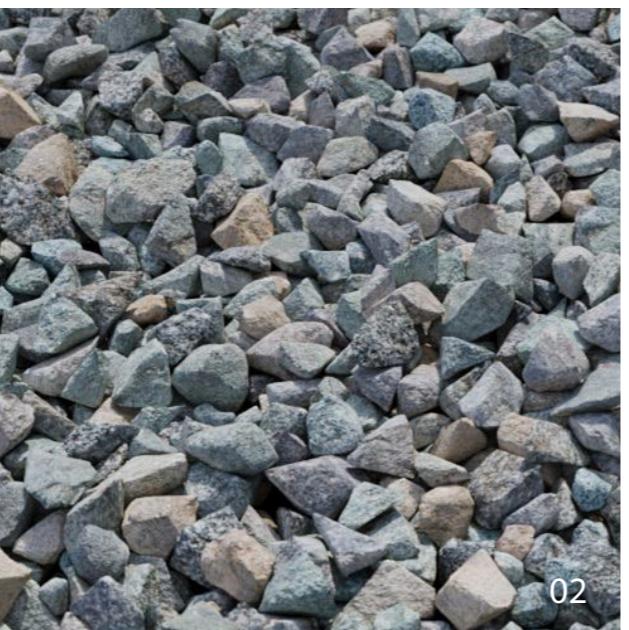
0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

dry   01   02

gravel-stone-049
Gravel Vol. 1 - Disk #5

Dry   Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

gravel-stone-050
Gravel Vol. 1 - Disk #5

Dry   Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway®
textures

Variations

dry

01

02
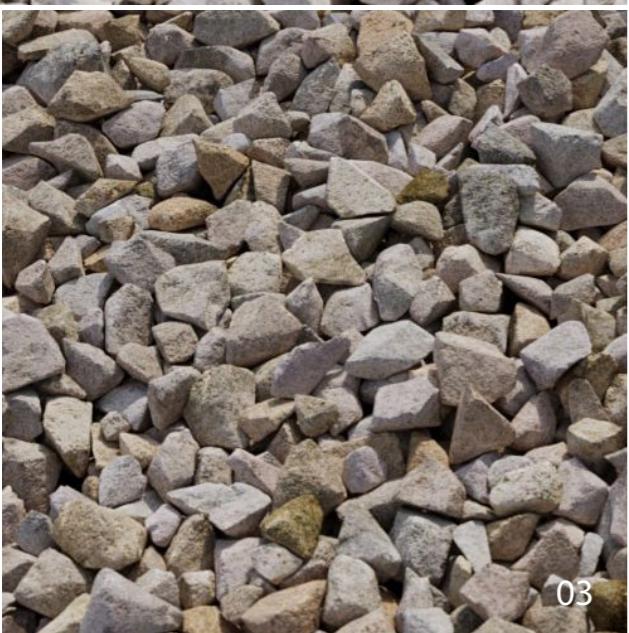
03

gravel-stone-051
## Gravel Vol. 1 - Disk #5

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

gravel-stone-052
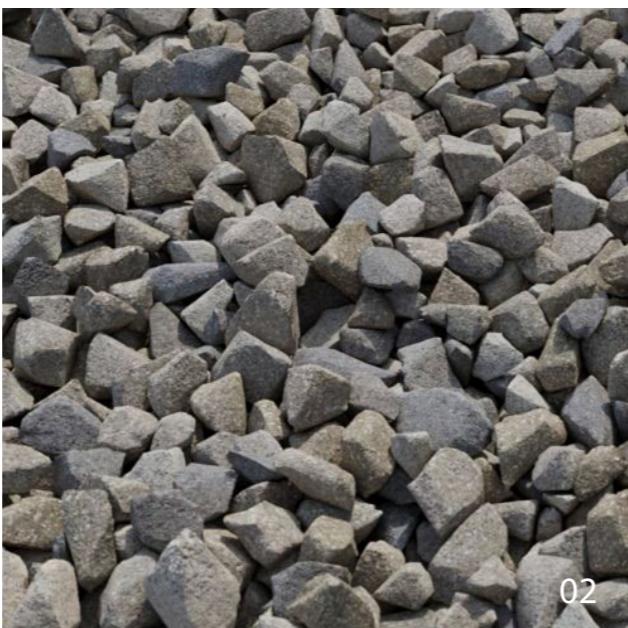
Gravel Vol. 1 - Disk #5

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® *textures*

Variations

dry 01

02

gravel-stone-053
## Gravel Vol. 1 - Disk #5

Dry Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway®
textures

Variations

01

02
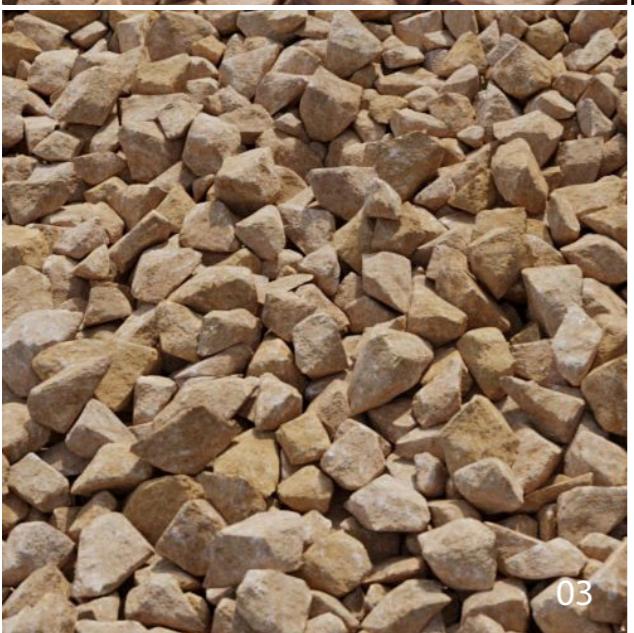
03

gravel-stone-054
Gravel Vol. 1 - Disk #5

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

dry
01

02
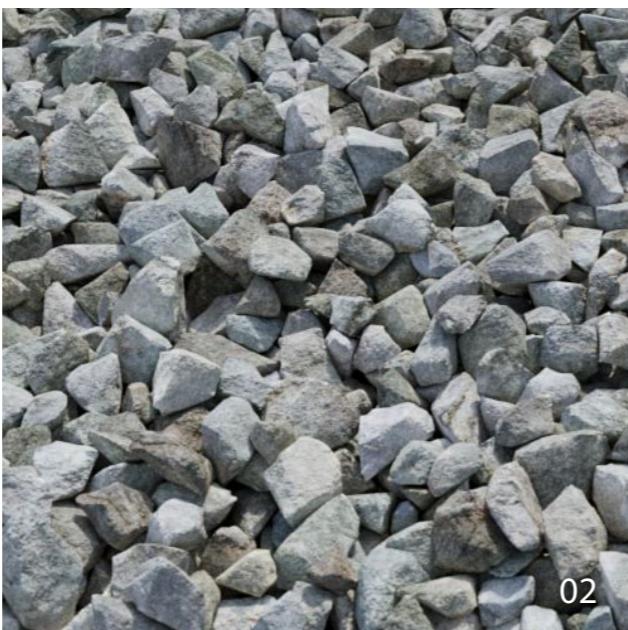
03

gravel-stone-055
Gravel Vol. 1 - Disk #5
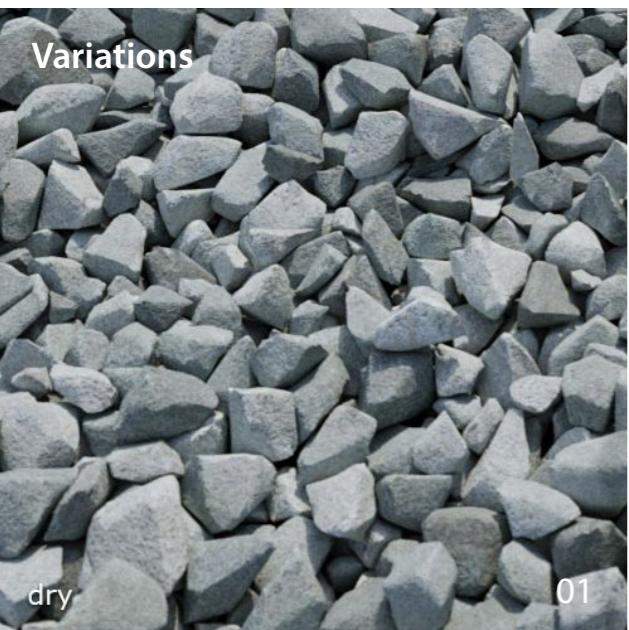
Dry
Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway®
textures

Variations

dry

01

02

03
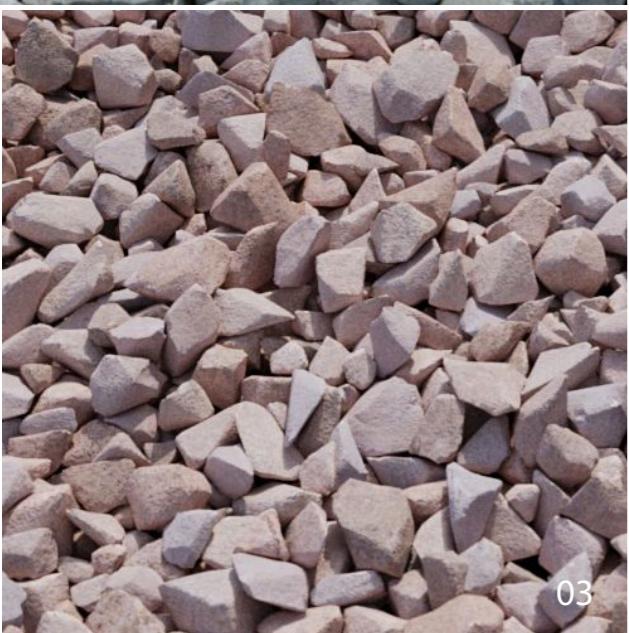
gravel-stone-056
Gravel Vol. 1 - Disk #6

Dry

Wet

Map
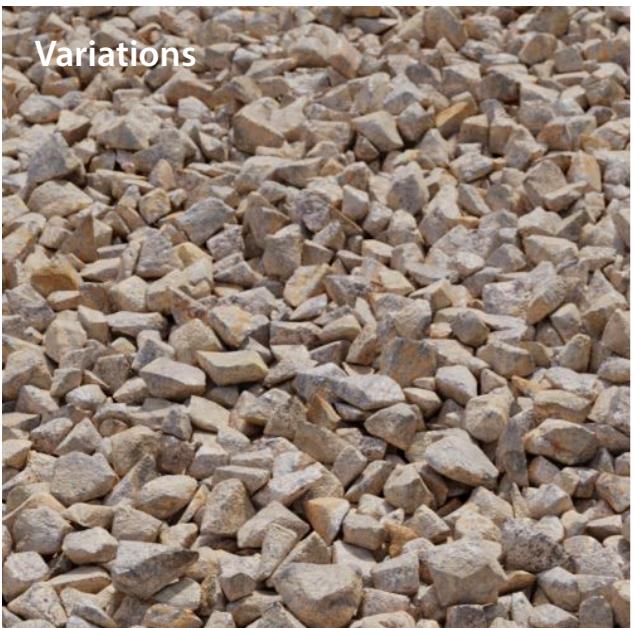
0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

gravel-stone-057
Gravel Vol. 1 - Disk #6

Dry

Wet

Map
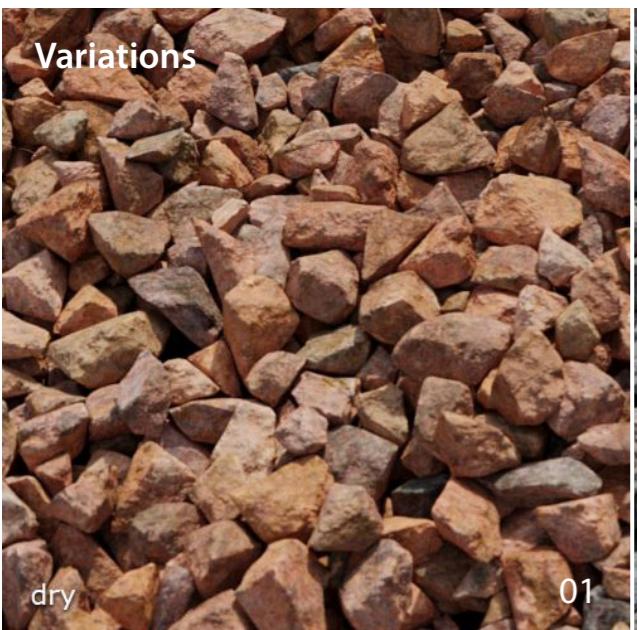
0.5m x 0.5m @ 208dpi | 4096px x 4096px
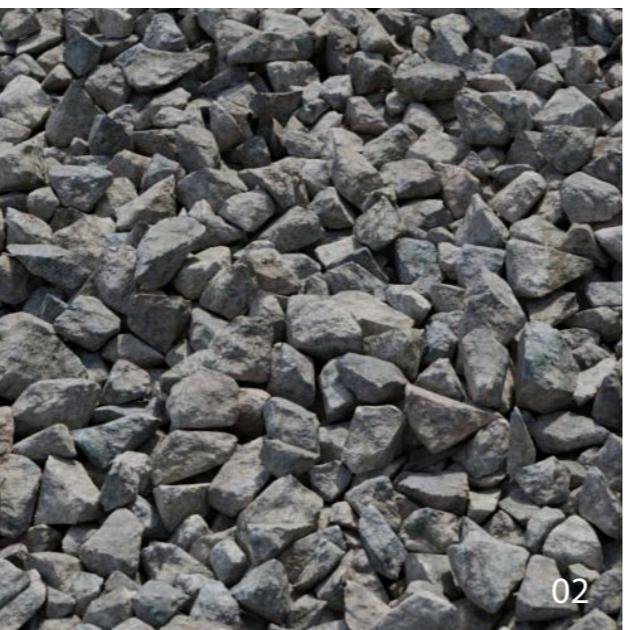
arroway® textures

Variations

dry 01

02

gravel-stone-058
Gravel Vol. 1 - Disk #6
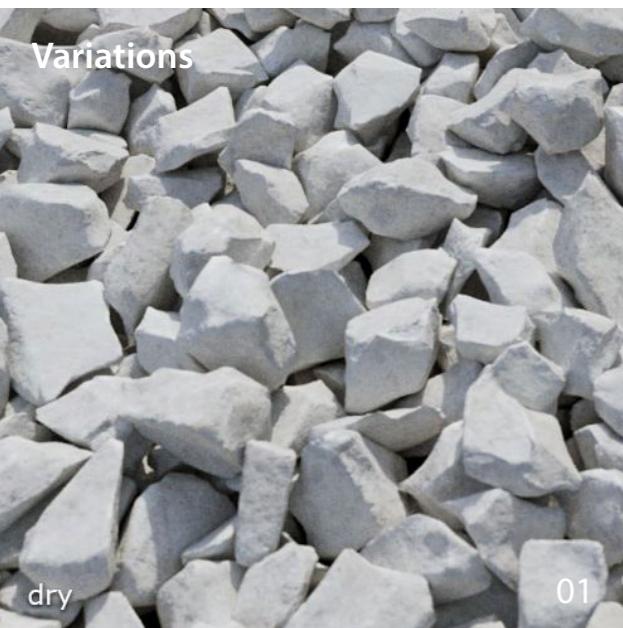
Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

dry

01

02

03

04

gravel-stone-059
Gravel Vol. 1 - Disk #6

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

**gravel-stone-060**
Gravel Vol. 1 - Disk #6

Dry   Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway
textures

Variations

01

02

03 — dry

04

05

06
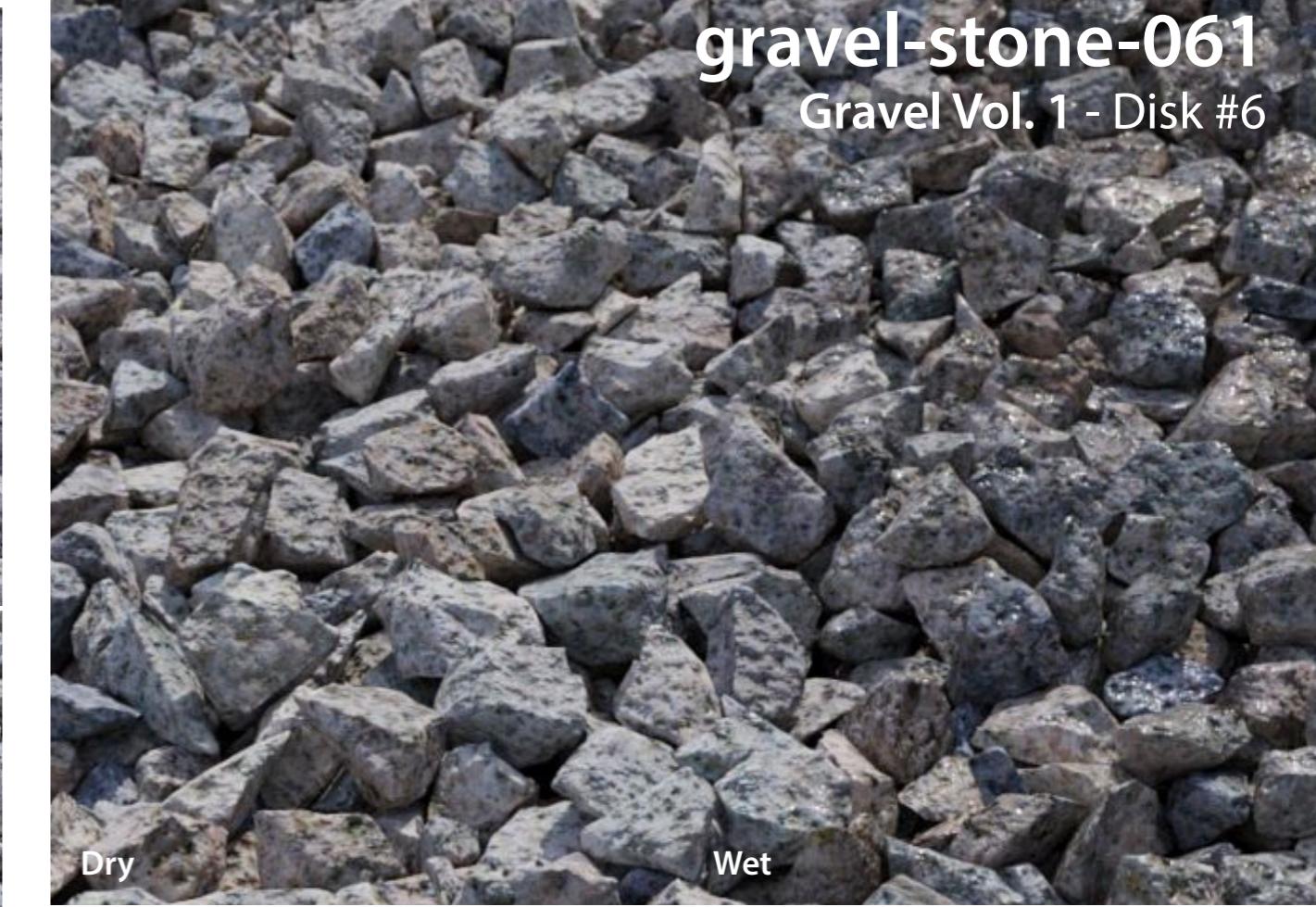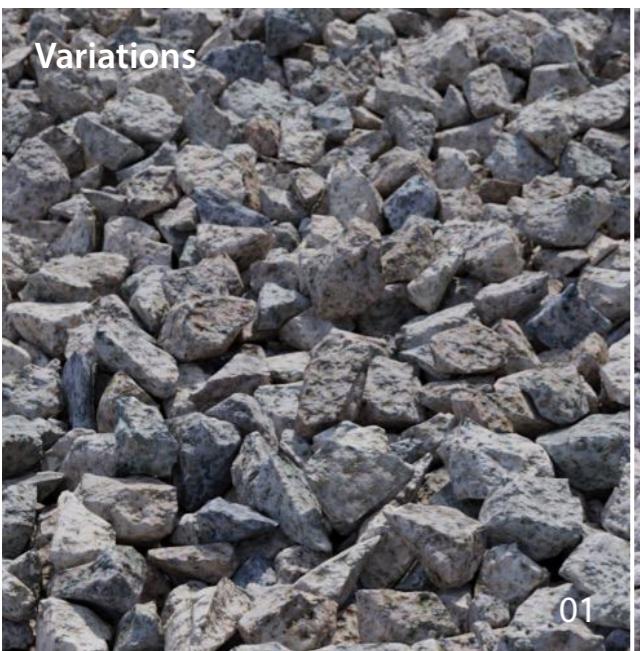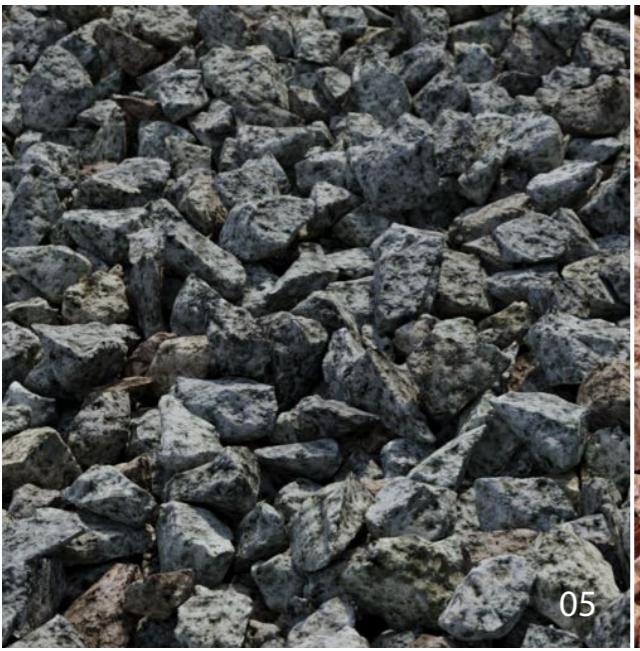
gravel-stone-061
Gravel Vol. 1 - Disk #6

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

dry

01

02

03

04
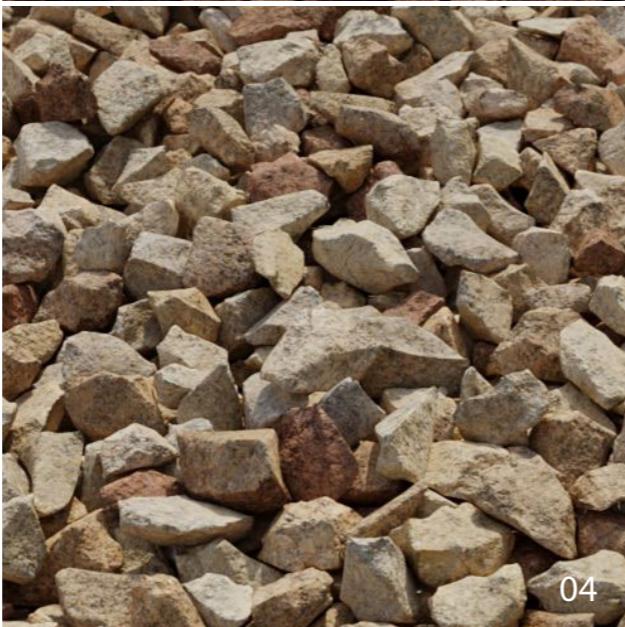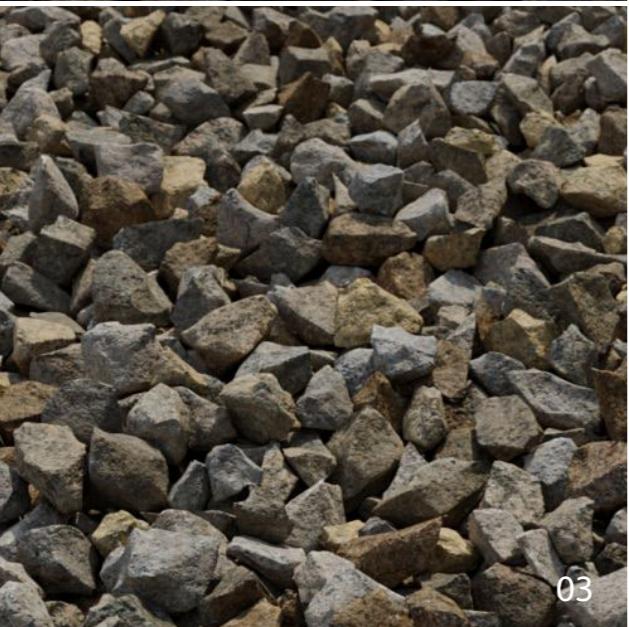
gravel-stone-062
Gravel Vol. 1 - Disk #6

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

gravel-stone-063
Gravel Vol. 1 - Disk #6
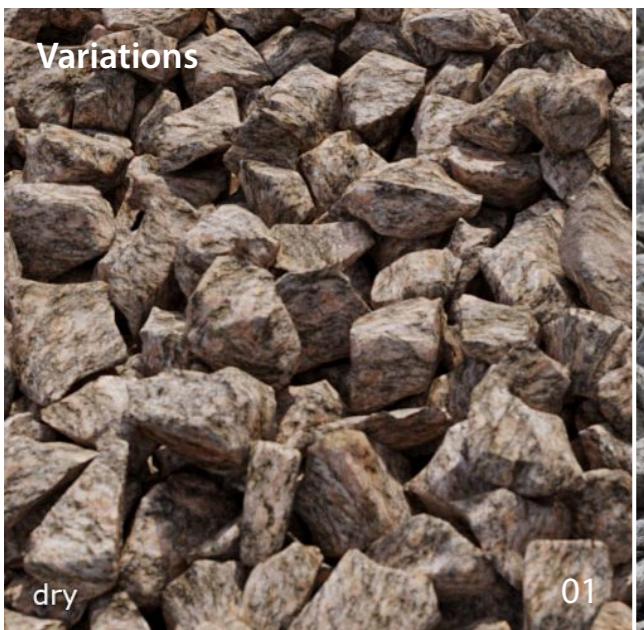
Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

dry 01

02

**gravel-stone-064**
Gravel Vol. 1 - Disk #6

Dry Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

dry 01

02

gravel-stone-065
Gravel Vol. 1 - Disk #6

Dry Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway
textures

Variations

dry   01

02
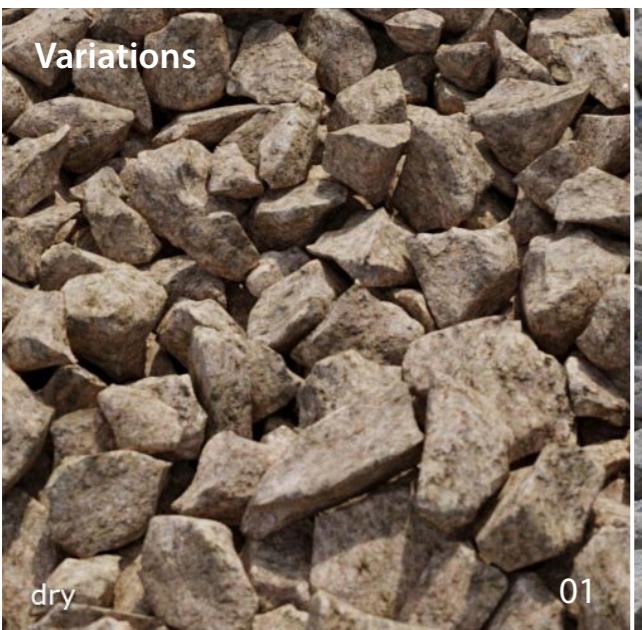
gravel-stone-066
Gravel Vol. 1 - Disk #6

Dry   Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

dry   01   02

gravel-stone-067
Gravel Vol. 1 - Disk #6
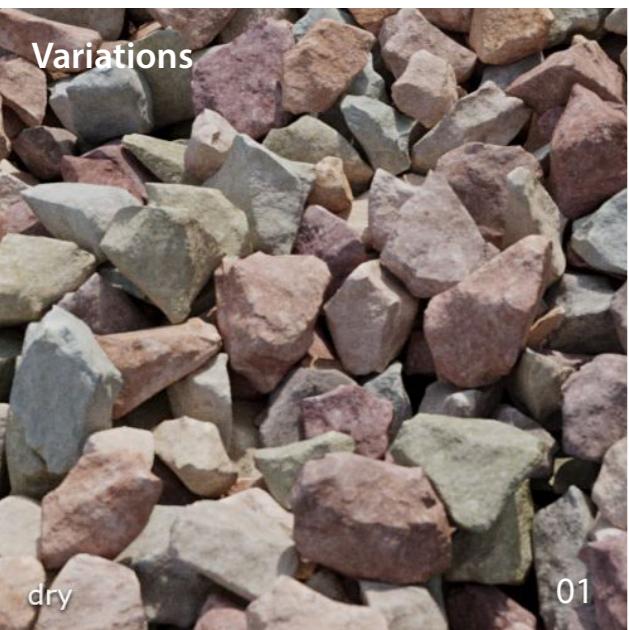
Dry   Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

dry

01

02

03
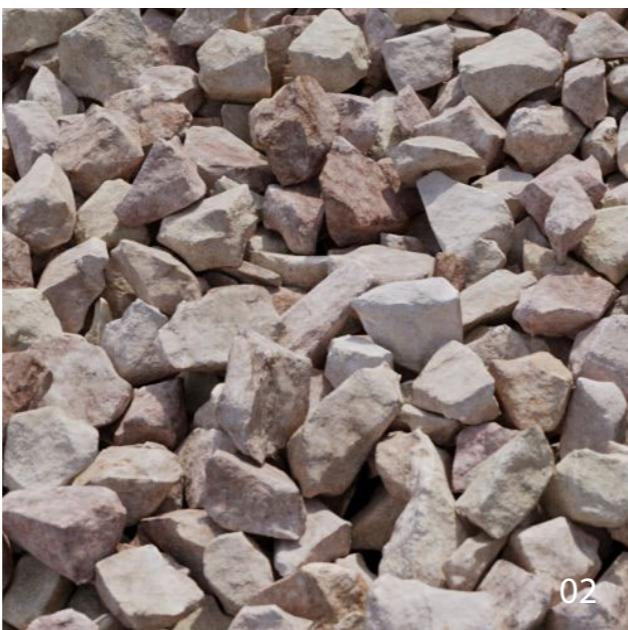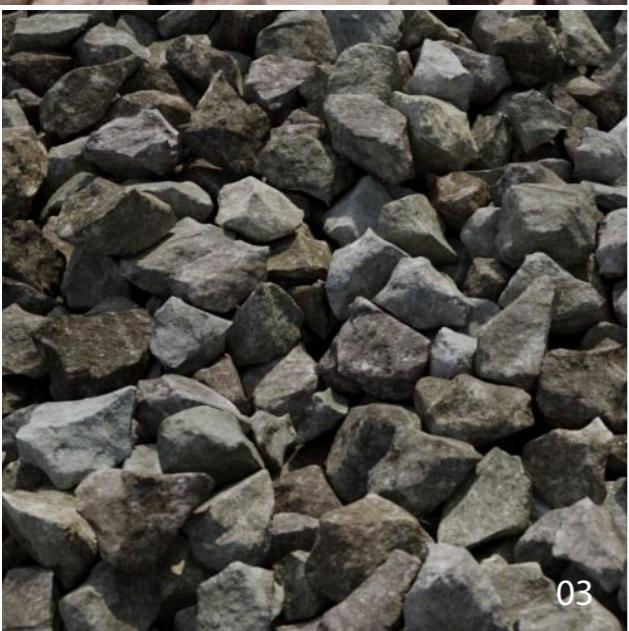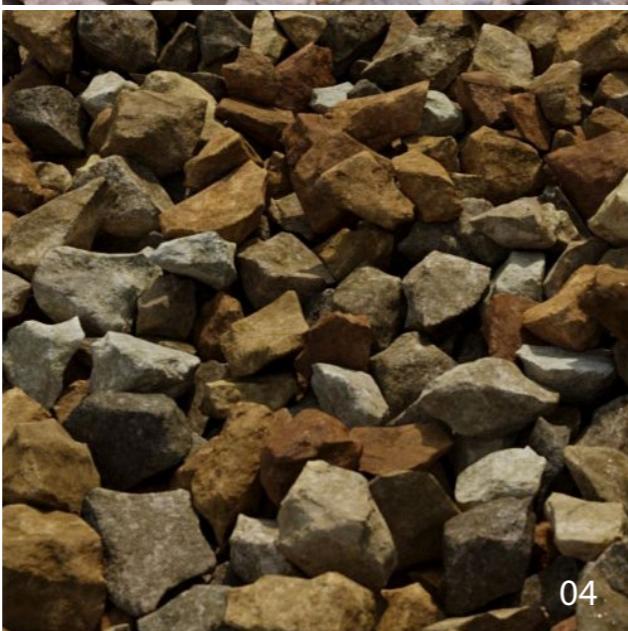
04

gravel-stone-068

Gravel Vol. 1 - Disk #6

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

dry

01
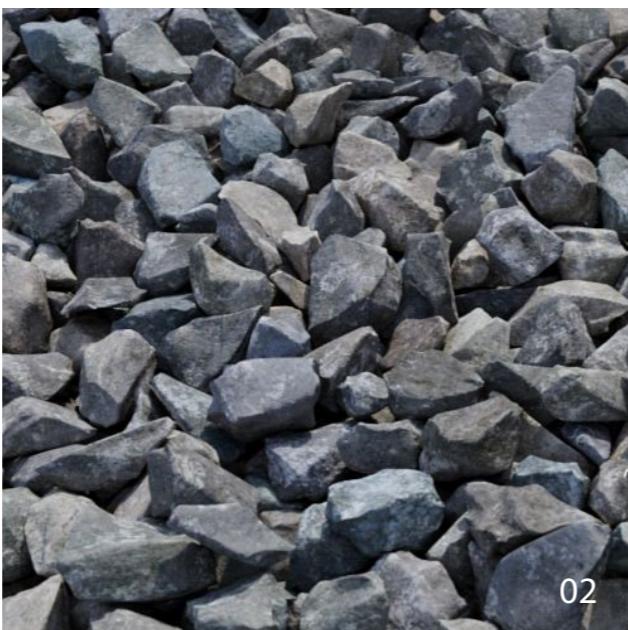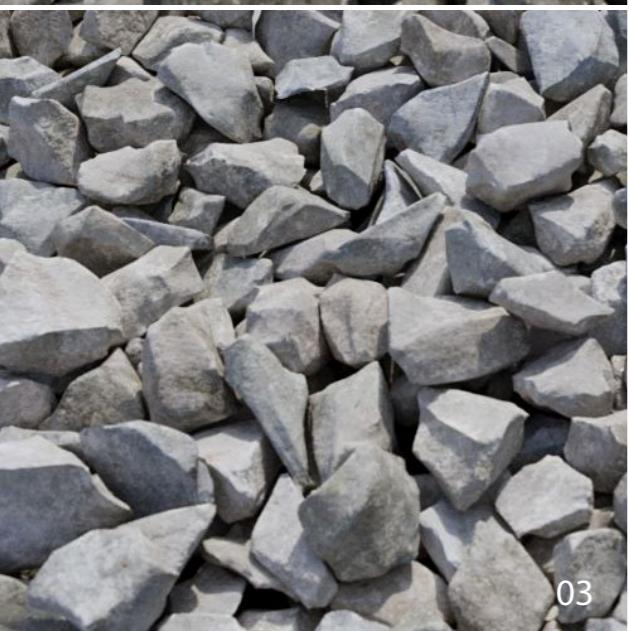
02

03

gravel-stone-069
## Gravel Vol. 1 - Disk #6

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

01

02

dry

03

04

05

06
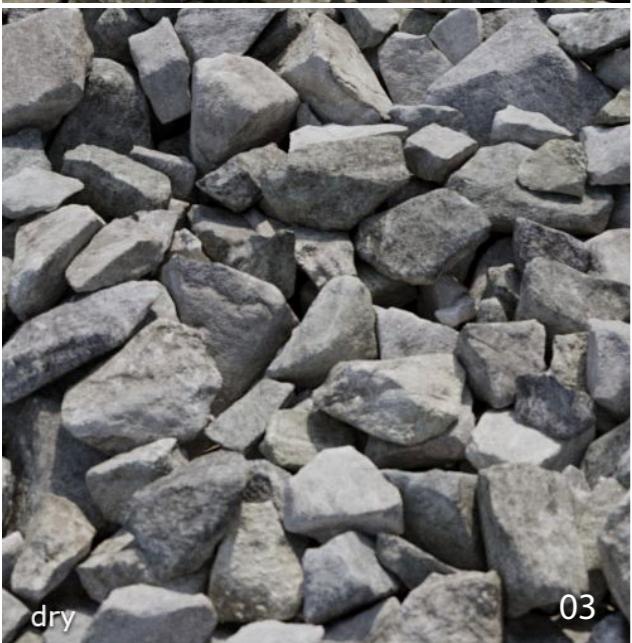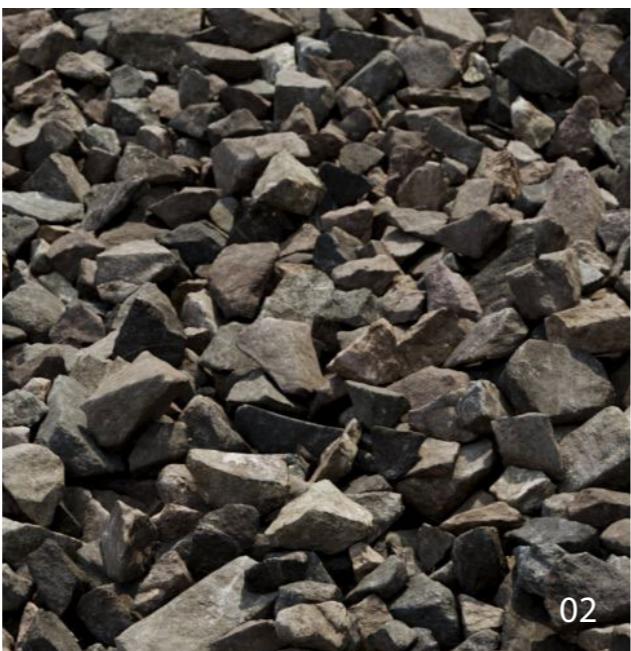
gravel-stone-070
Gravel Vol. 1 - Disk #6

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

gravel-stone-071
Gravel Vol. 1 - Disk #6

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway textures

Variations

dry   01

02

gravel-stone-072
Gravel Vol. 1 - Disk #6

Dry   Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway

Variations

gravel-stone-073
Gravel Vol. 1 - Disk #6

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

gravel-stone-074
Gravel Vol. 1 - Disk #6

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway®
textures

Variations

dry   01

02

03
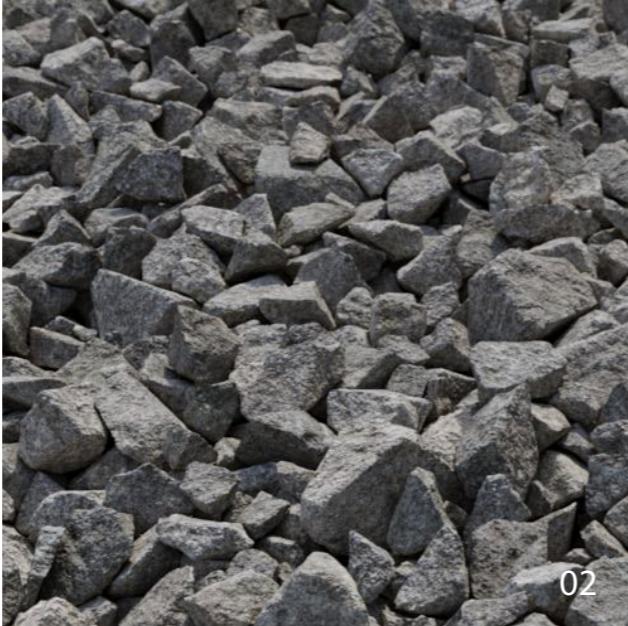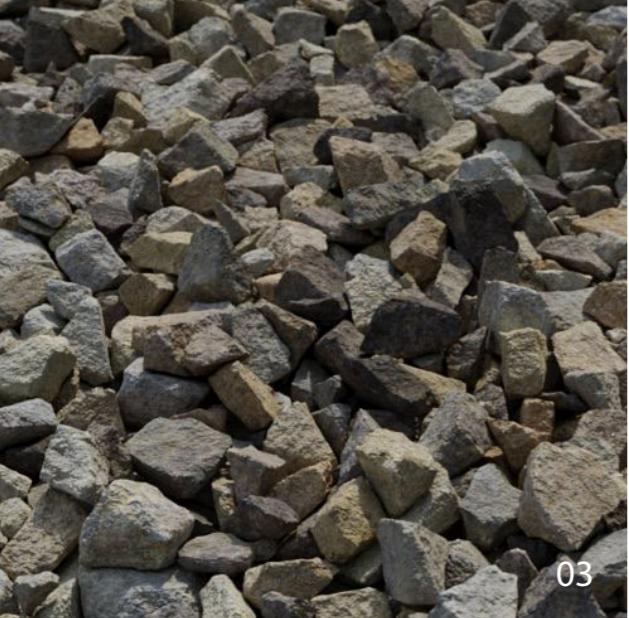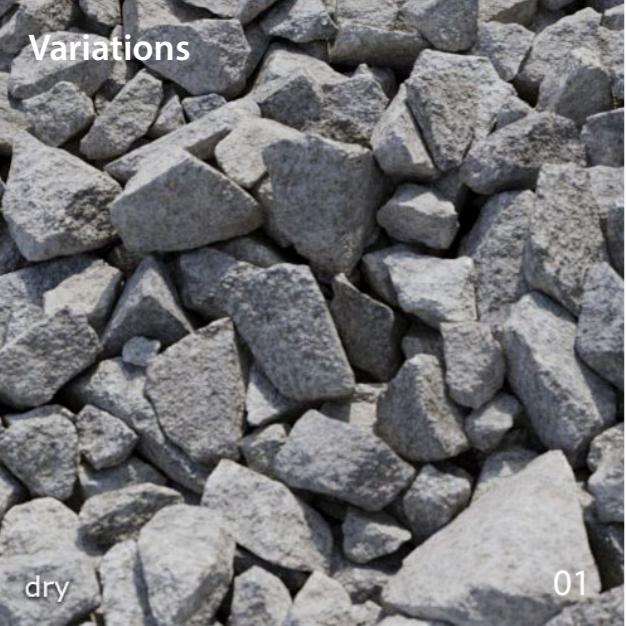
gravel-stone-075
Gravel Vol. 1 – Disk #6

Dry   Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway®
textures

Variations

# gravel-stone-076
Gravel Vol. 1 - Disk #6

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

dry   01

02
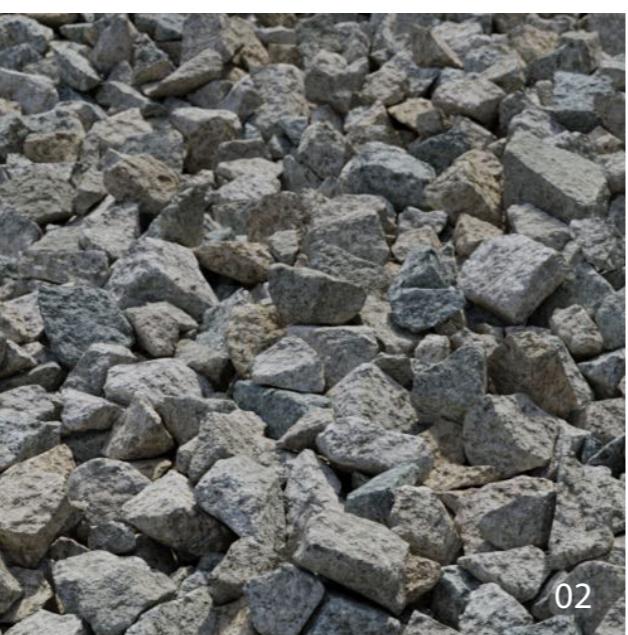
gravel-stone-077
Gravel Vol. 1 - Disk #6

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

gravel-stone-078
Gravel Vol. 1 - Disk #6
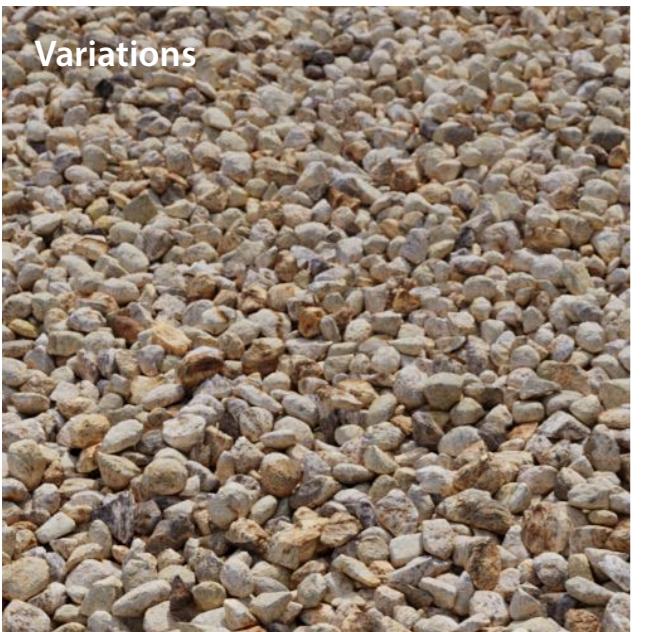
Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® *textures*

Dry

Wet

Map
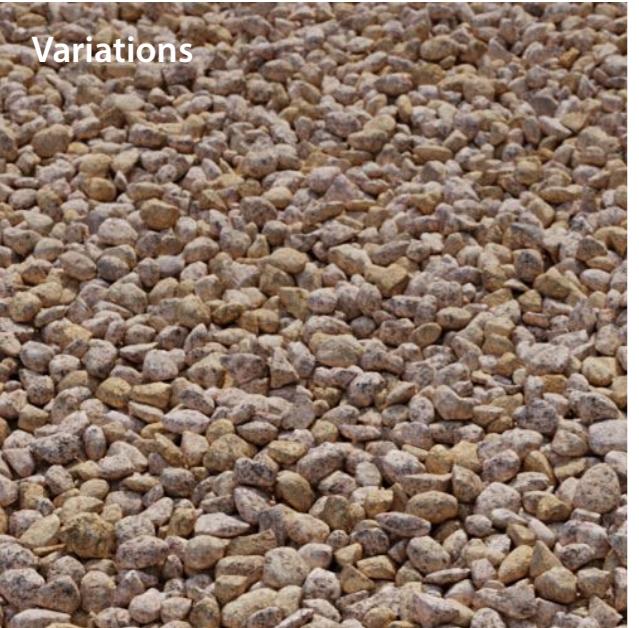
0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

gravel-stone-080
Gravel Vol. 1 - Disk #6

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

**gravel-stone-081**
Gravel Vol. 1 - Disk #6

Dry   Wet

Map
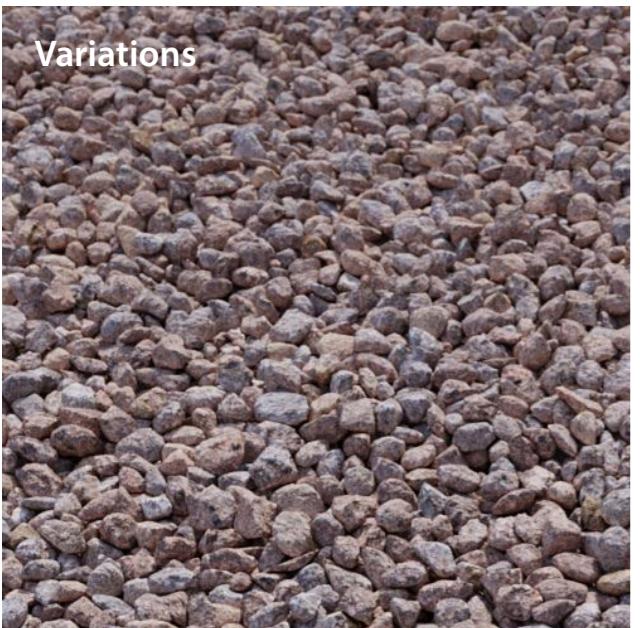
0.5m x 0.5m @ 208dpi | 4096px x 4096px
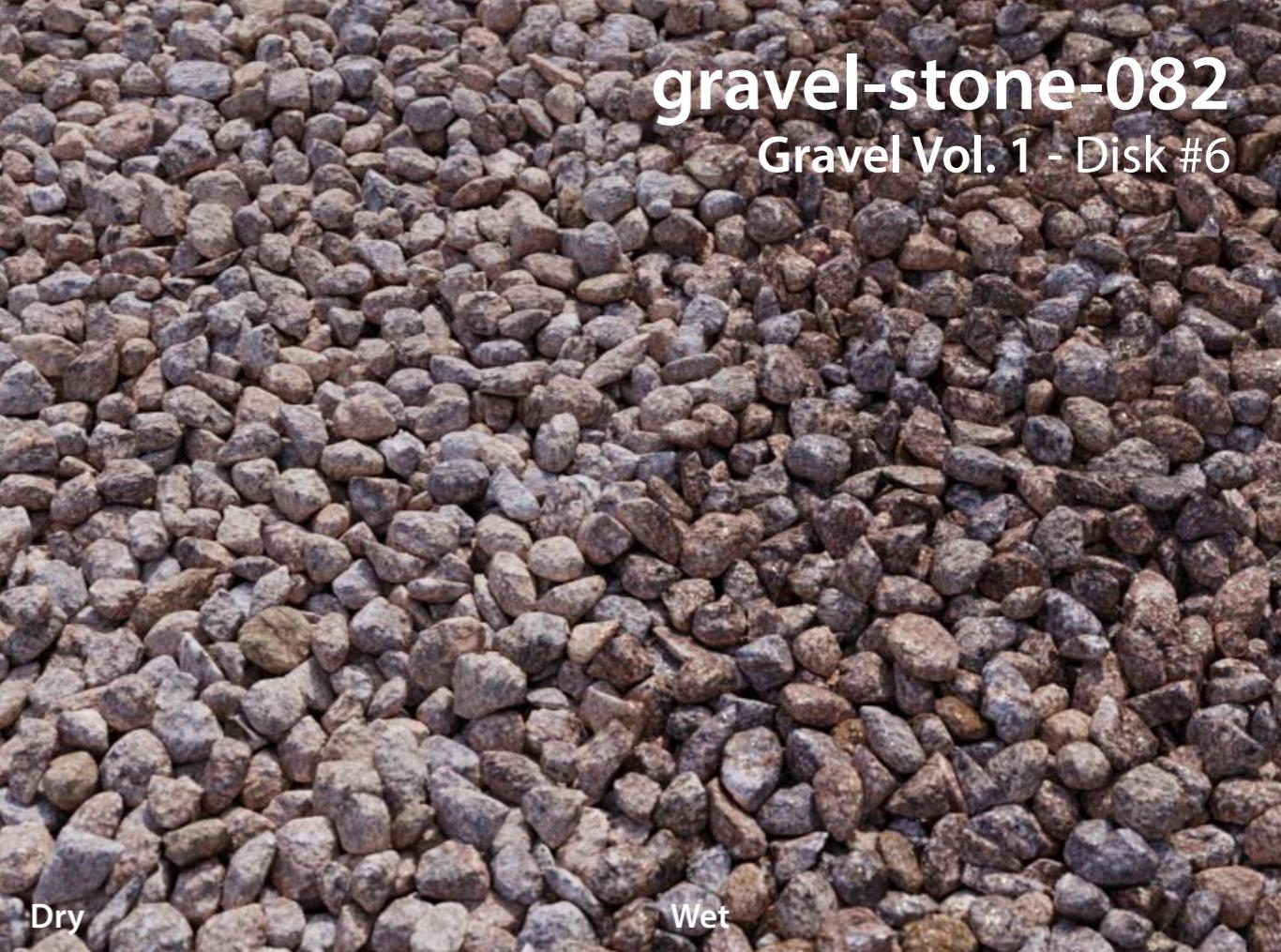
arroway®
textures

Variations

# gravel-stone-082
Gravel Vol. 1 - Disk #6

Dry

Wet

Map
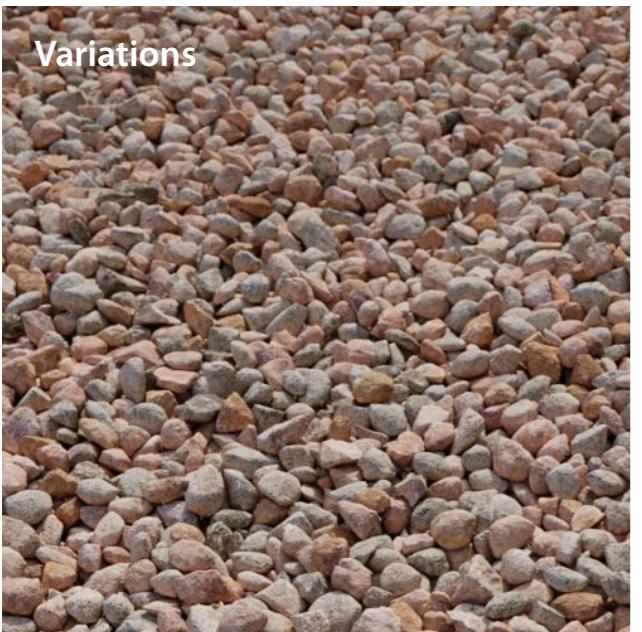
arroway® textures

0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

gravel-stone-083
Gravel Vol. 1 - Disk #6

Dry

Wet

Map
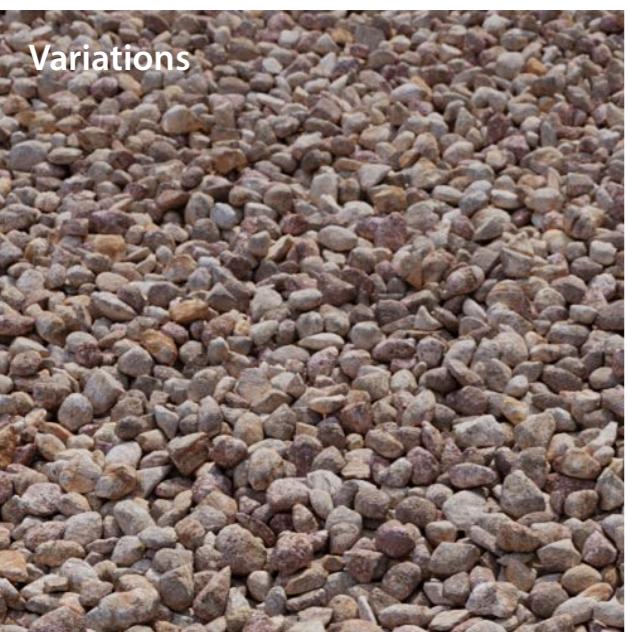
0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

gravel-stone-084
Gravel Vol. 1 - Disk #6

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

gravel-stone-085
Gravel Vol. 1 - Disk #6

Dry

Wet

Map
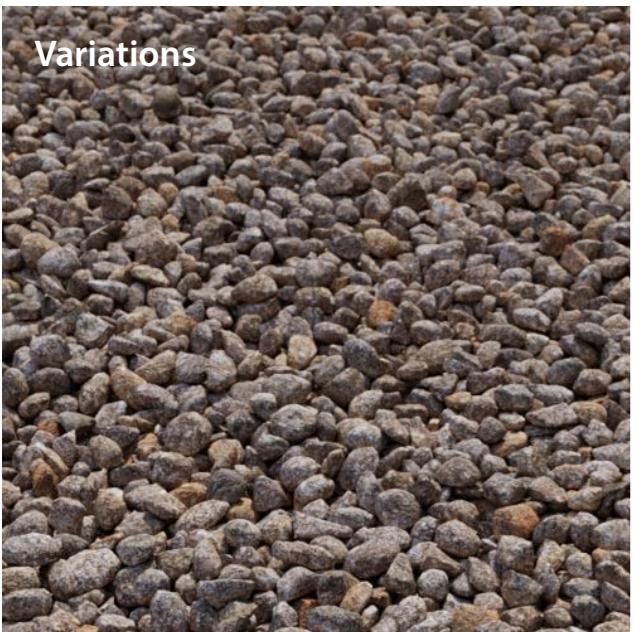
0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

gravel-stone-086
Gravel Vol. 1 - Disk #6

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

gravel-stone-087
Gravel Vol. 1 - Disk #6

Dry

Wet

Map
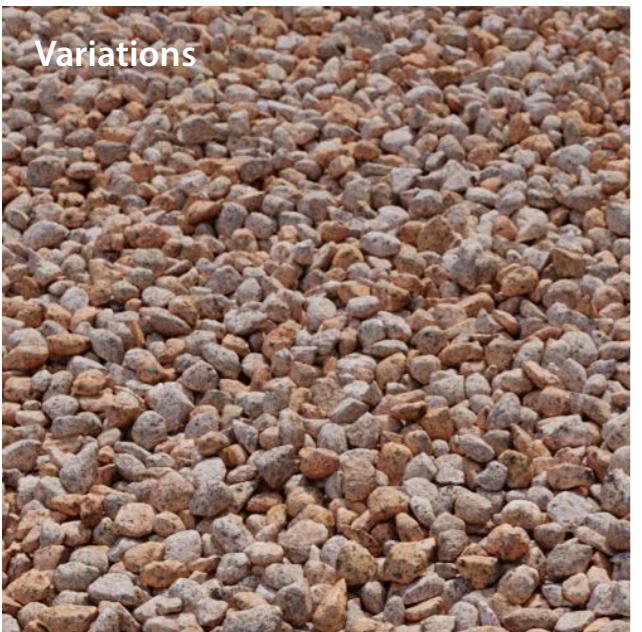
0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

gravel-stone-088
Gravel Vol. 1 - Disk #6

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

gravel-stone-089
Gravel Vol. 1 - Disk #6

Dry

Wet

Map
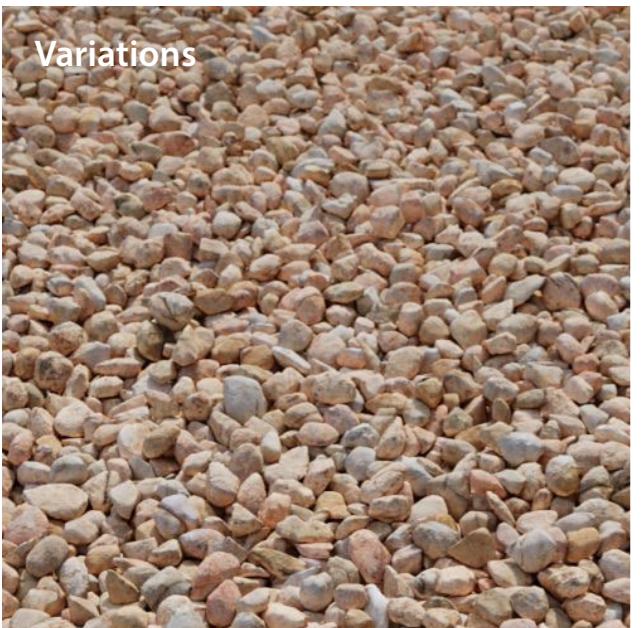
0.5m x 0.5m @ 208dpi | 4096px x 4096px

*arroway*®
textures

gravel-stone-090
Gravel Vol. 1 - Disk #6

Dry   Wet

Map
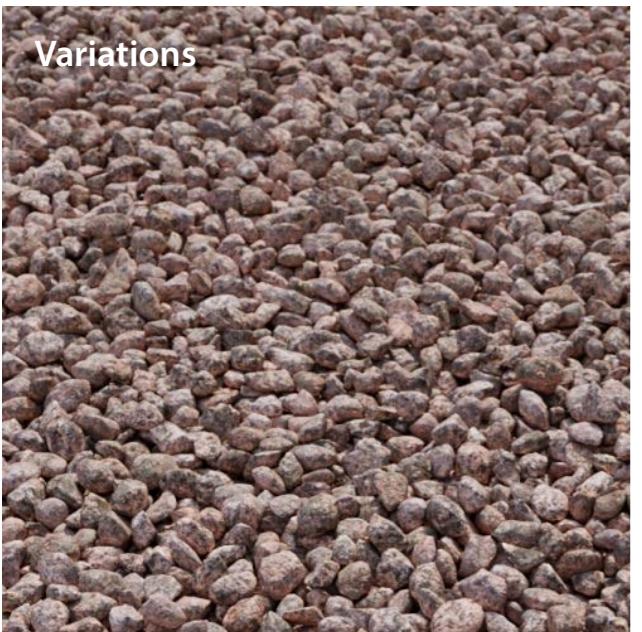
0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway®
textures

gravel-stone-091
Gravel Vol. 1 - Disk #6

Dry

Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

Variations

gravel-stone-092
Gravel Vol. 1 - Disk #6

Dry

Wet

Map
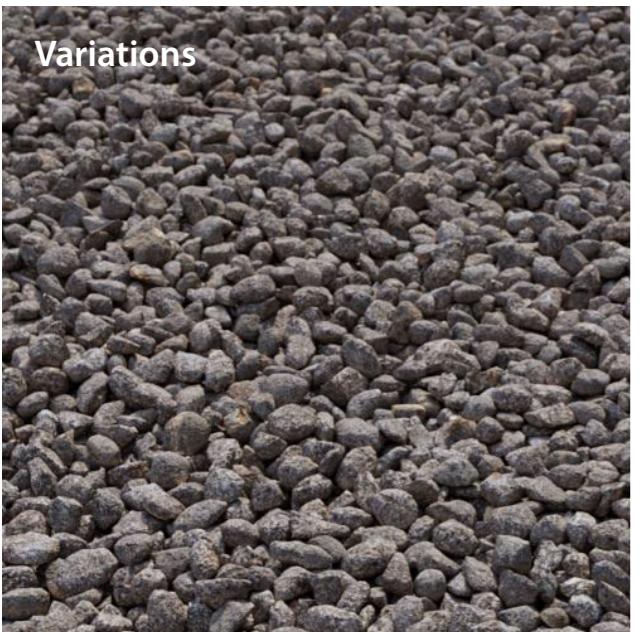
0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway
textures

**Variations**

gravel-stone-093
Gravel Vol. 1 - Disk #6

Dry

Wet

Map
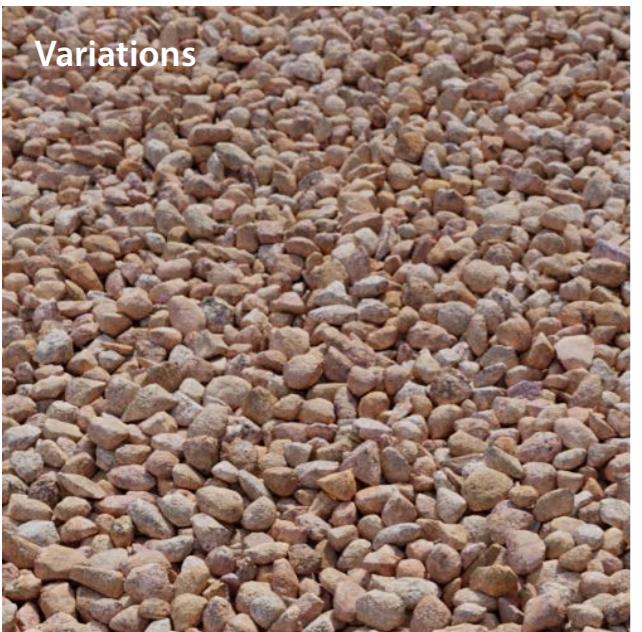
0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway® textures

Variations

gravel-stone-094
Gravel Vol. 1 - Disk #6

Dry   Wet

Map

0.5m x 0.5m @ 208dpi | 4096px x 4096px

arroway®
textures

Gravel Textures

This product contains 134 different gravel textures, which were created based on 15 different gravel types and styles. Each gravel texture basically consists of two parts, the base texture and the variation texture. The base texture contributes the displacement and normal maps, which are unique to the gravel type. The variation texture contains diffuse, bump and reflectivity maps, which are unique to each variation.

Base Textures

There are 15 different base textures in total, each consisting of the following:

- *Displacement map:* Contains depth information, describing the basic shape of the gravel surface
- *Normal map:* Contains surface angle information, also describing the basic shape
- *Ambient occlusion (AO) map:* Contains basic shading information
- *Edge map:* Contains curvature information
- *Mask map:* Contains mask information in form of a random color assigned to every individual stone

The displacement and normal maps are used in conjunction with the variation texture on render time. AO, edge and mask maps can help you create your own gravel textures (e.g. with Photoshop).

Variation Textures
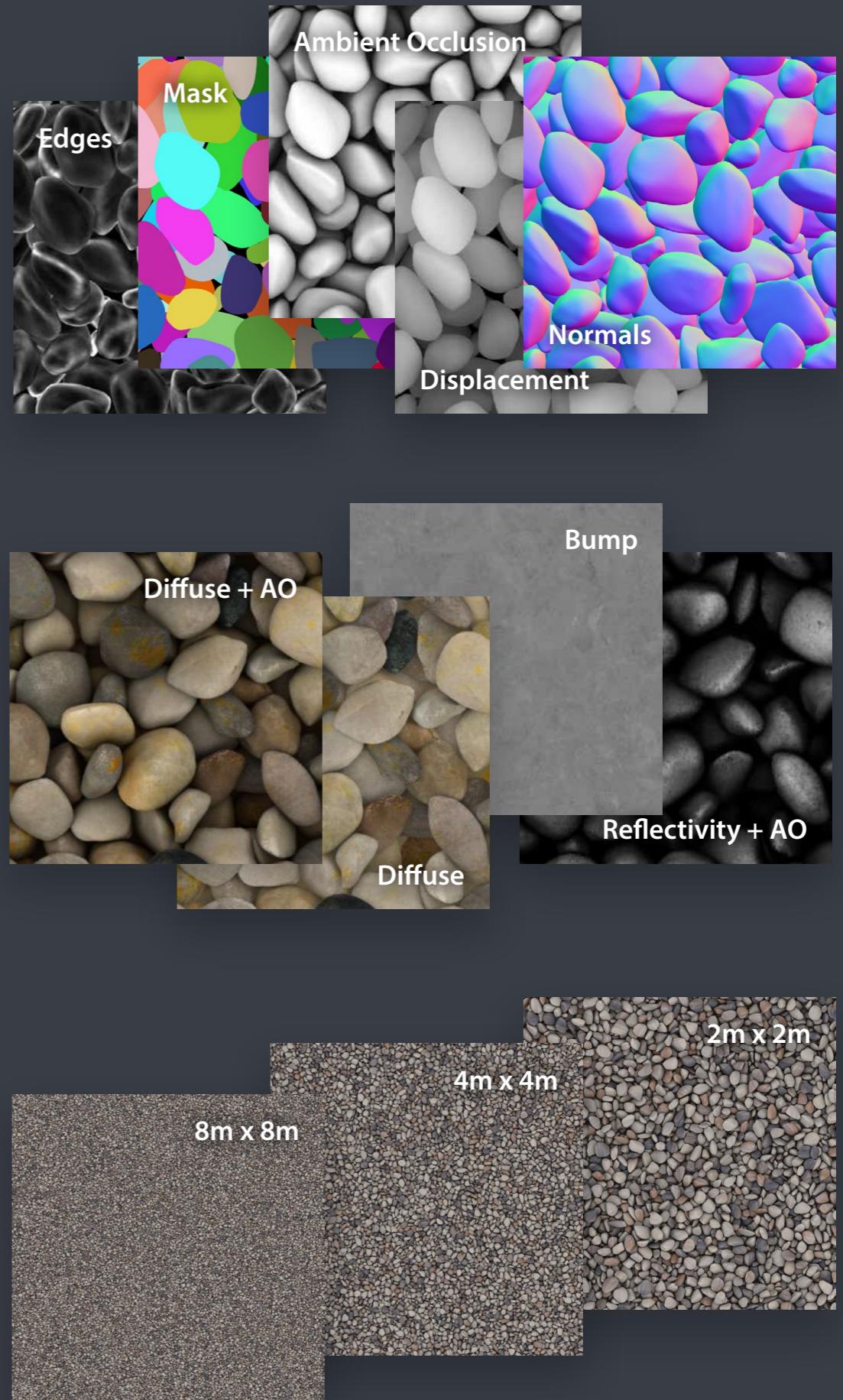
There are 134 gravel textures, each consisting of the following:

- *Diffuse map (+AO):* Contains the color information of the texture with Ambient Occlusion baked-in.
- *Diffuse map:* A second color map, optimized for use with displacement mapping
- *Bump map:* Contains fine surface detail on individual stone pebbles
- *Reflectivity map:* Contains surface roughness information, describing how reflective the surface appears. This map also has Ambient Occlusion baked-in.
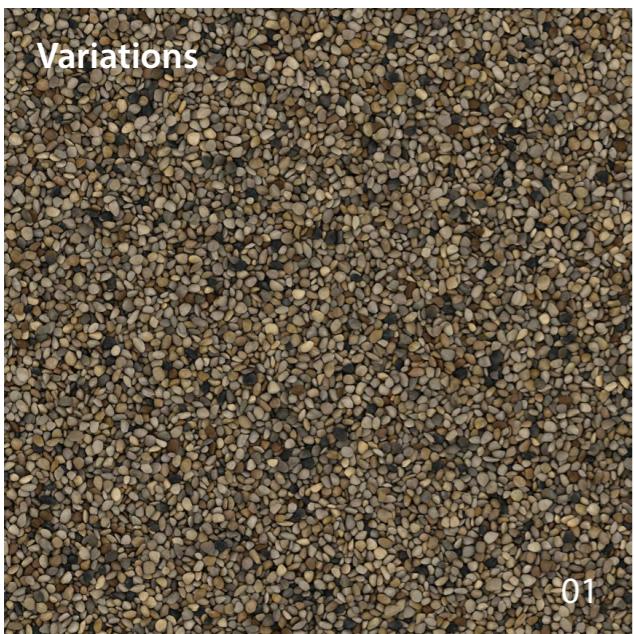
These variation textures are to be used in conjunction with the gravel base textures, mentioned above.

Scale
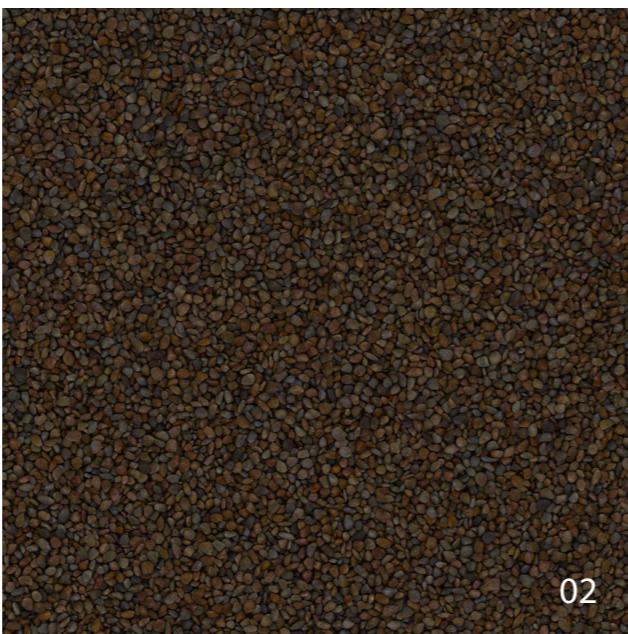
All gravel textures, base and variation, come in three different scales: 2m x 2m, 4m x 4m and 8m x 8m. This allows you to choose the scale that fits the requirements of your 3D scene best, i.e. larger area vs. higher resolution.

Variations

01

02

03

04
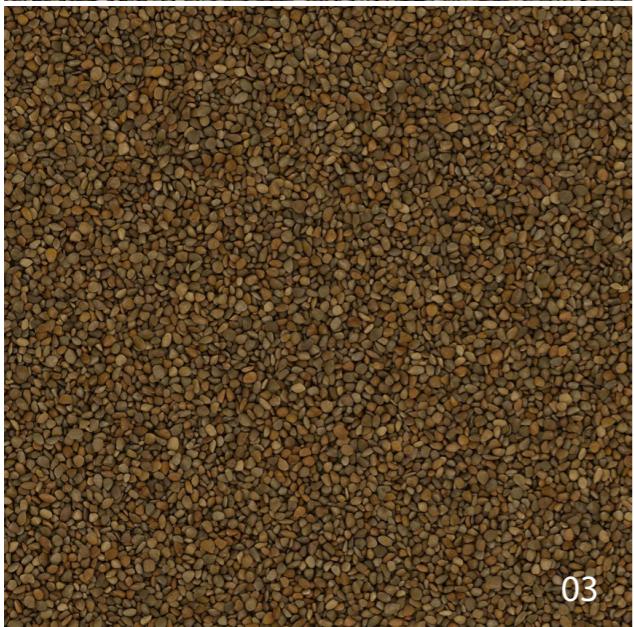
Smoothed 1 / gravel-001
Gravel Vol. 1 - Disk #2
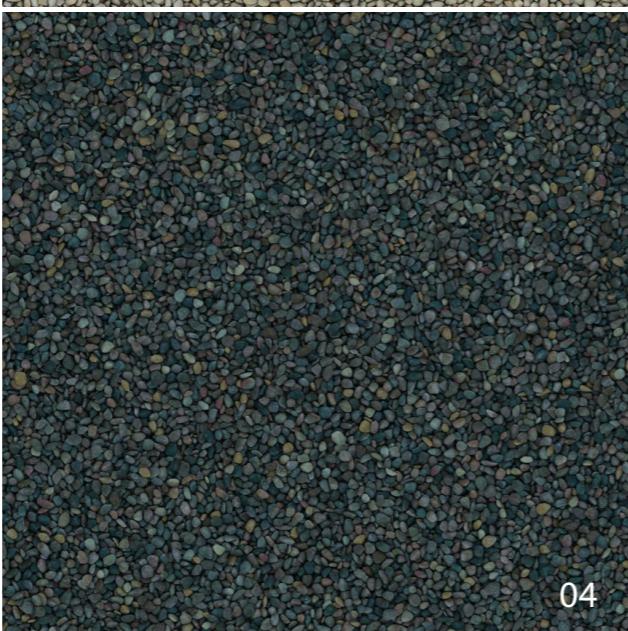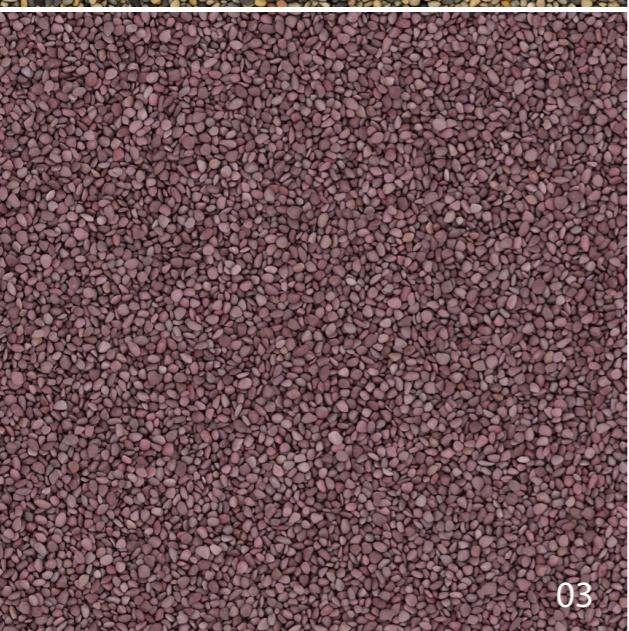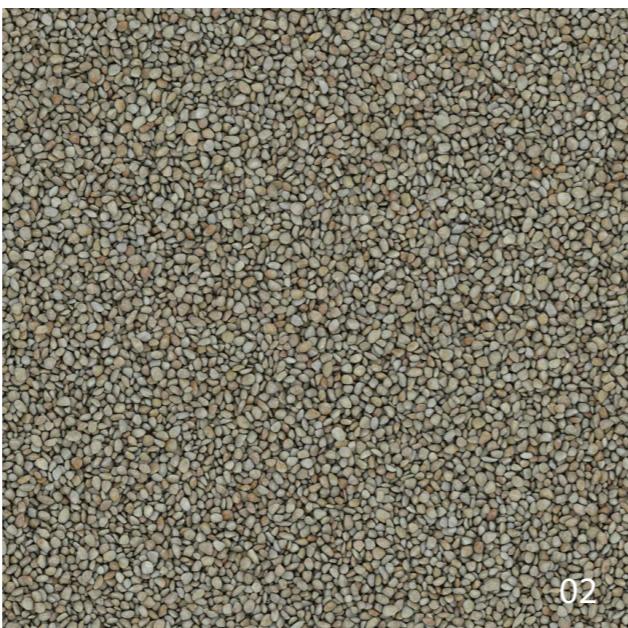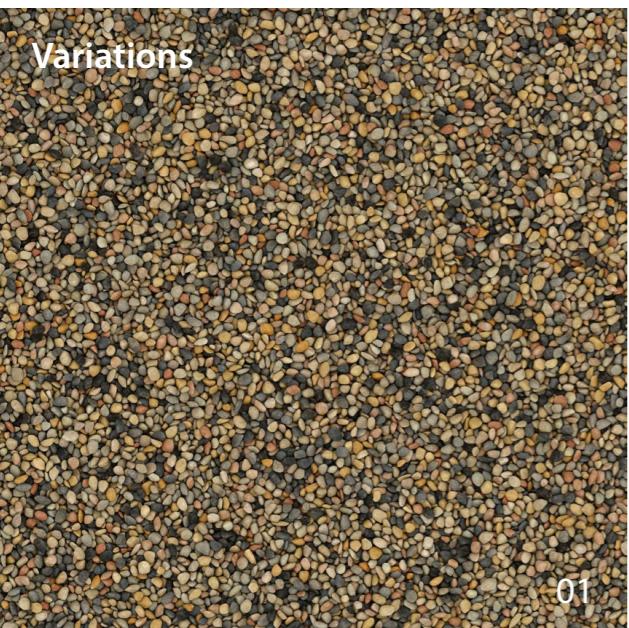
Base texture **gravel-base-01**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

arroway®
textures

Variations

01

02

03

04

Smoothed 1 / gravel-002
Gravel Vol. 1 - Disk #2
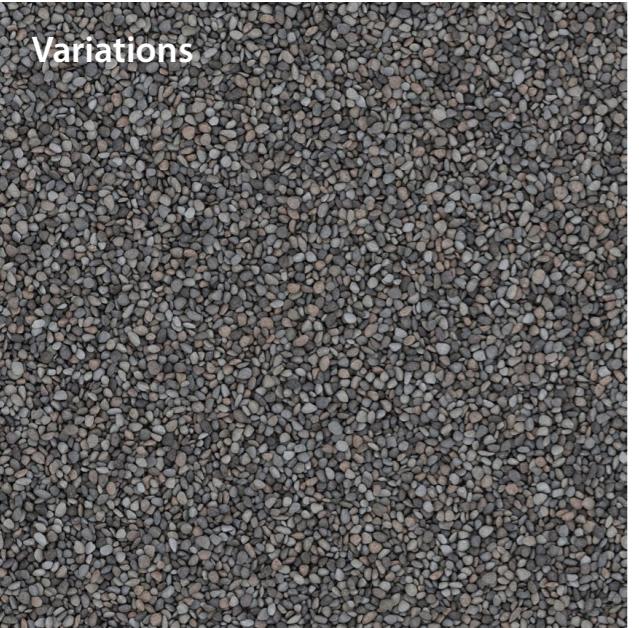
Base texture gravel-base-01

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

arroway®
textures

Variations

Base texture **gravel-base-01**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

arroway® *textures*

Smoothed 1 / gravel-004
Gravel Vol. 1 - Disk #2
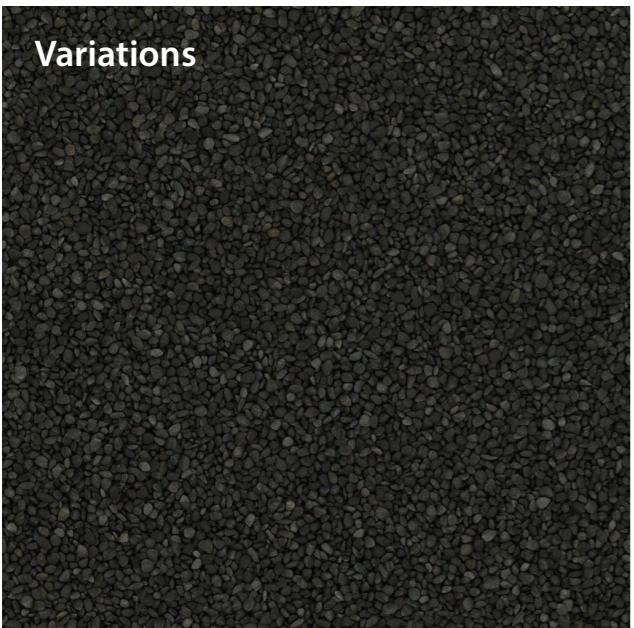
Base texture **gravel-base-01**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

Smoothed 1 / **gravel-005**
Gravel Vol. 1 - Disk #2
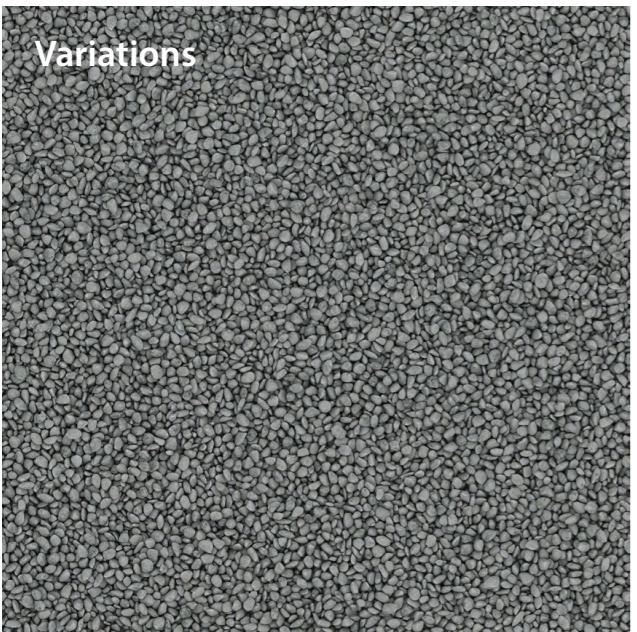
Base texture **gravel-base-01**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

arroway®
textures

Smoothed 1 / **gravel-006**
Gravel Vol. 1 - Disk #2
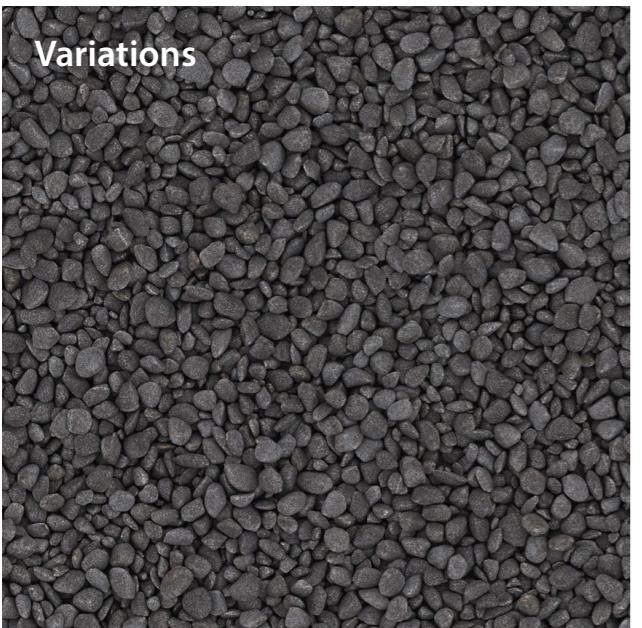
Base texture **gravel-base-01**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

arroway®
textures

Smoothed 2 / **gravel-007**
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-02**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

arroway ®
textures

Smoothed 2 / **gravel-008**
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-02**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

arroway®
textures

Variations

Smoothed 2 / **gravel-009**
Gravel Vol. 1 - Disk #2
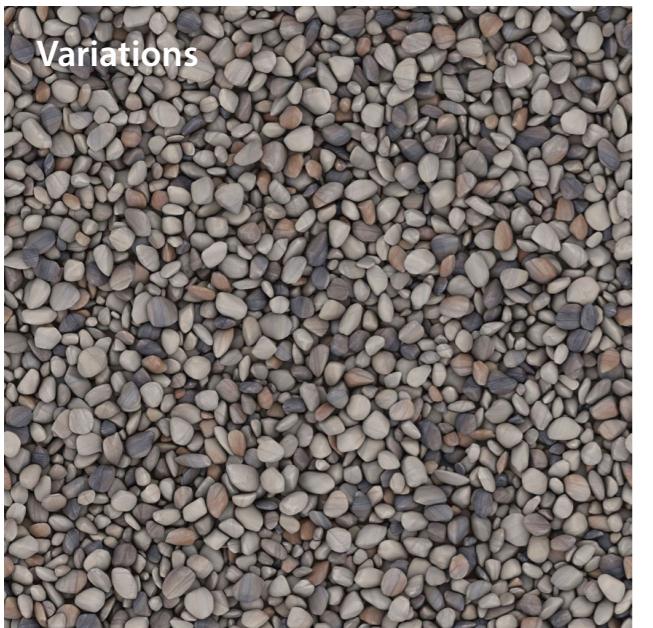
Base texture **gravel-base-02**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

arroway®
textures

Variations

Smoothed 2 / **gravel-010**
Gravel Vol. 1 - Disk #2
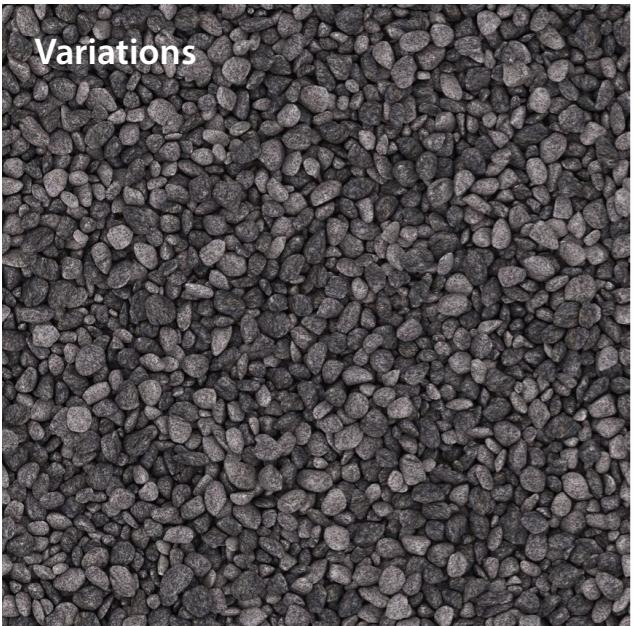
Base texture **gravel-base-02**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px
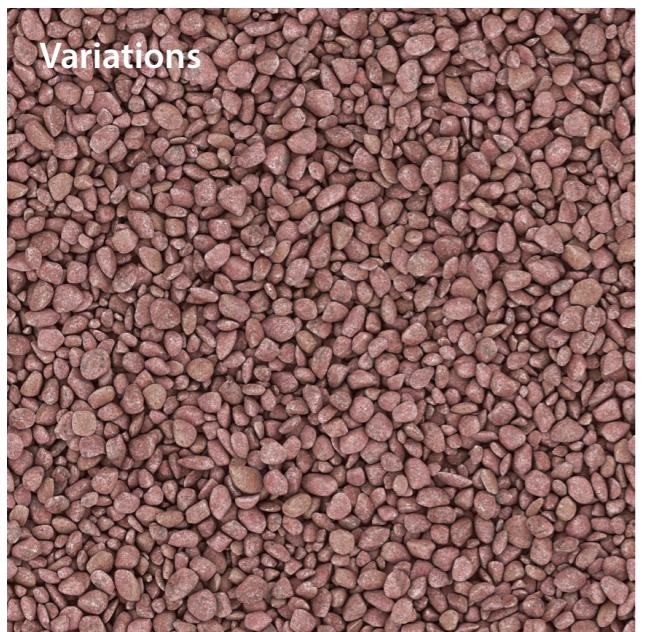
arroway®
textures

Variations

Base texture **gravel-base-02**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

arroway® *textures*

Variations

Base texture **gravel-base-02**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

arroway®
textures

Variations

Smoothed 2 / **gravel-013**
Gravel Vol. 1 - Disk #2
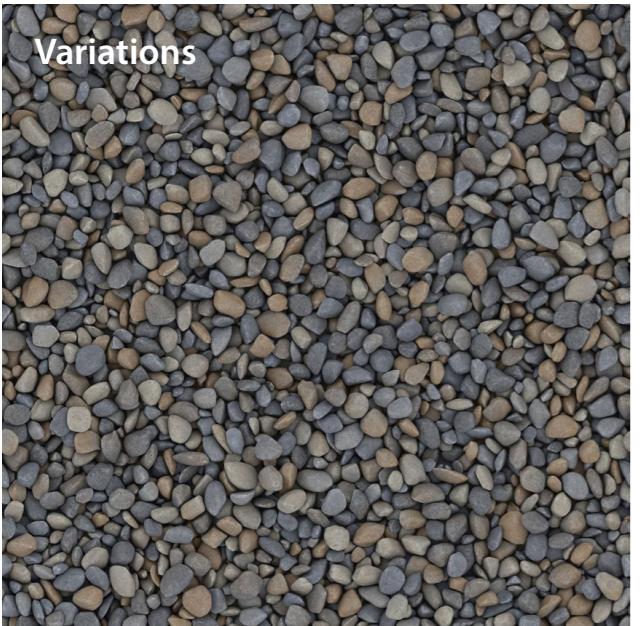
Base texture **gravel-base-02**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

arroway
textures

Variations

Smoothed 2 / **gravel-014**

Gravel Vol. 1 - Disk #2
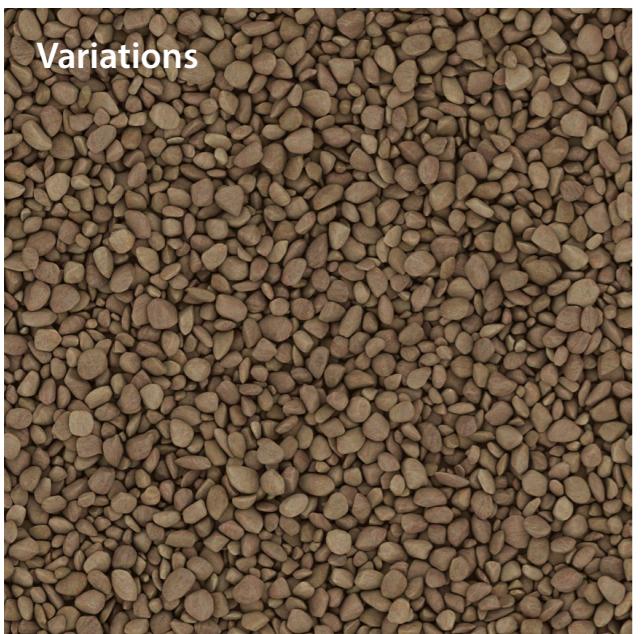
Base texture **gravel-base-02**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

arroway®
textures

Variations

Smoothed 2 / **gravel-015**
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-02**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

arroway® *textures*

Variations

Smoothed 2 / **gravel-016**
Gravel Vol. 1 - Disk #2
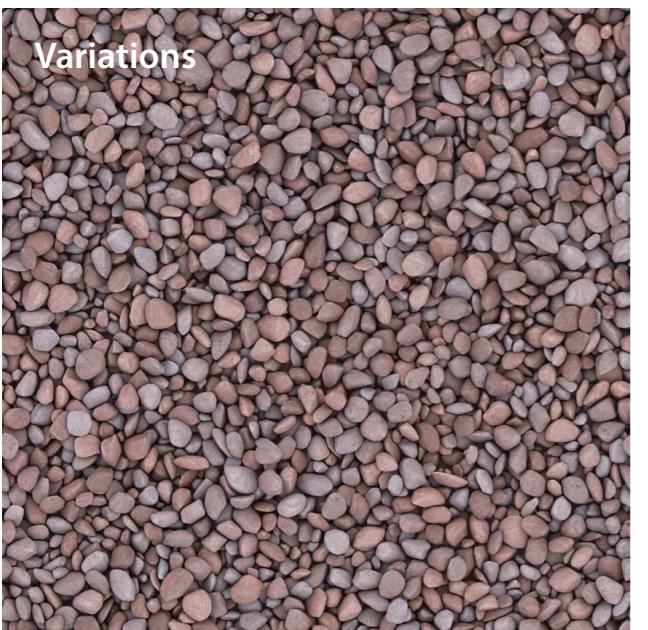
Base texture **gravel-base-02**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

arroway®
textures

Smoothed 2 / **gravel-017**
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-02**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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textures

Smoothed 2 / **gravel-018**
Gravel Vol. 1 - Disk #2
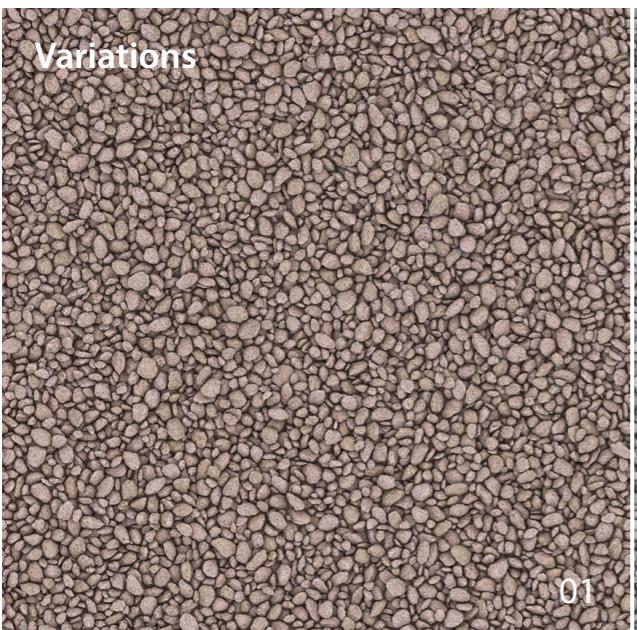
Base texture **gravel-base-02**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

arroway®
textures

Variations

01

02
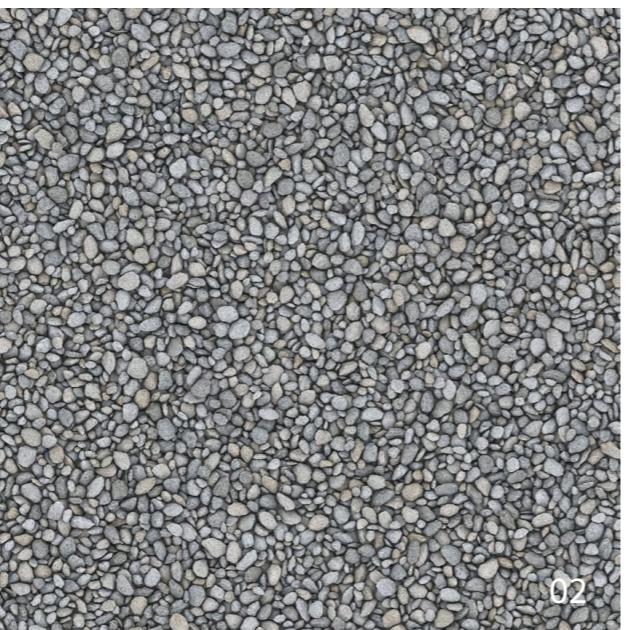
Smoothed 3 / **gravel-019**
Gravel Vol. 1 - Disk #2
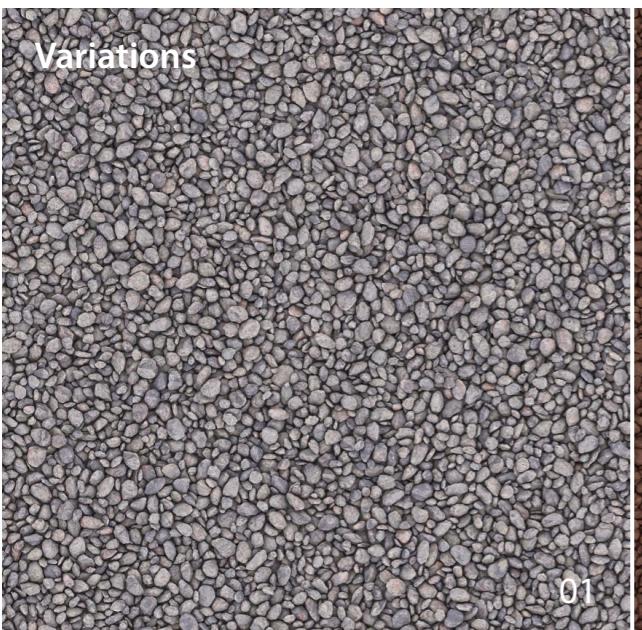
Base texture **gravel-base-03**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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textures

Variations

01

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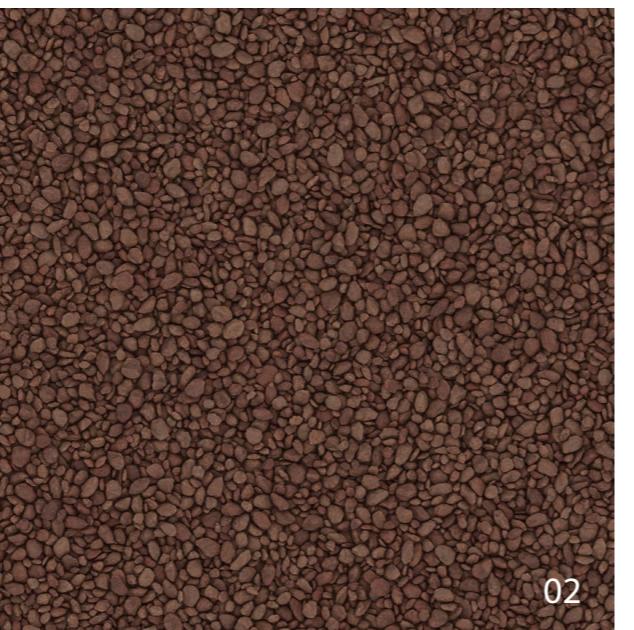
Smoothed 3 / gravel-020
Gravel Vol. 1 - Disk #2
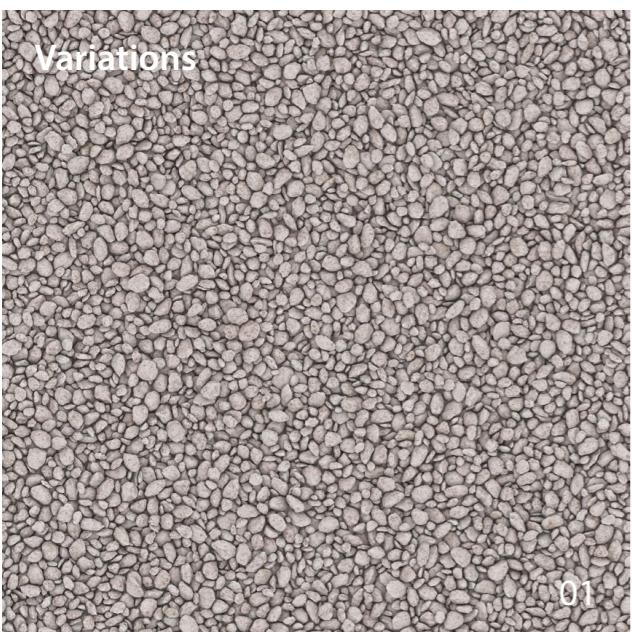
Base texture gravel-base-03

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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textures

Variations

01

02
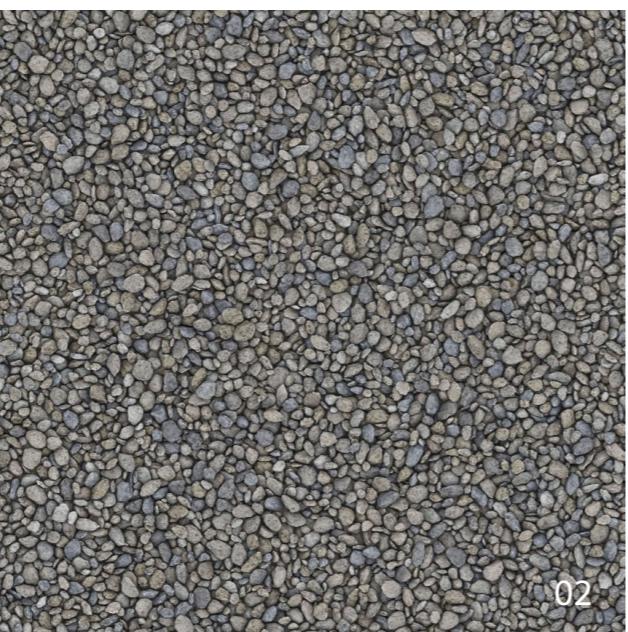
Smoothed 3 / gravel-021
Gravel Vol. 1 - Disk #2
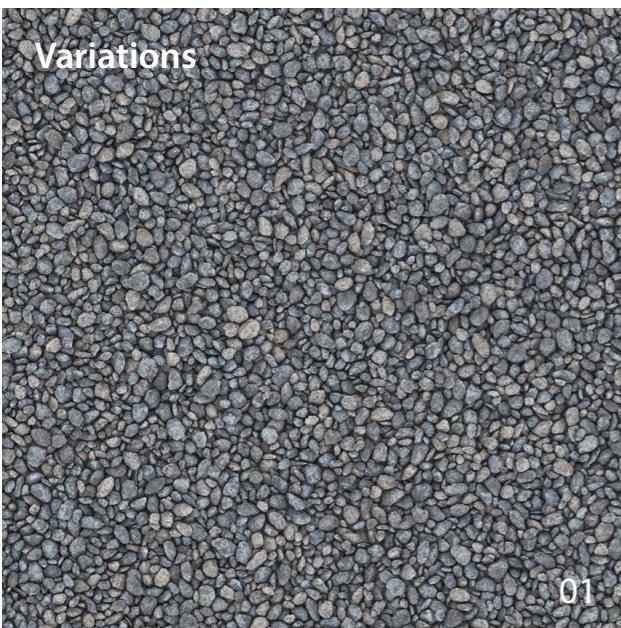
Base texture **gravel-base-03**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

Variations

01

02
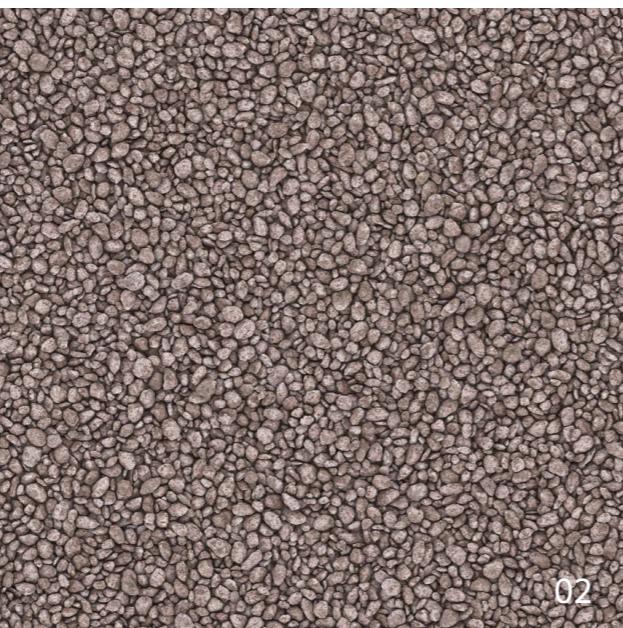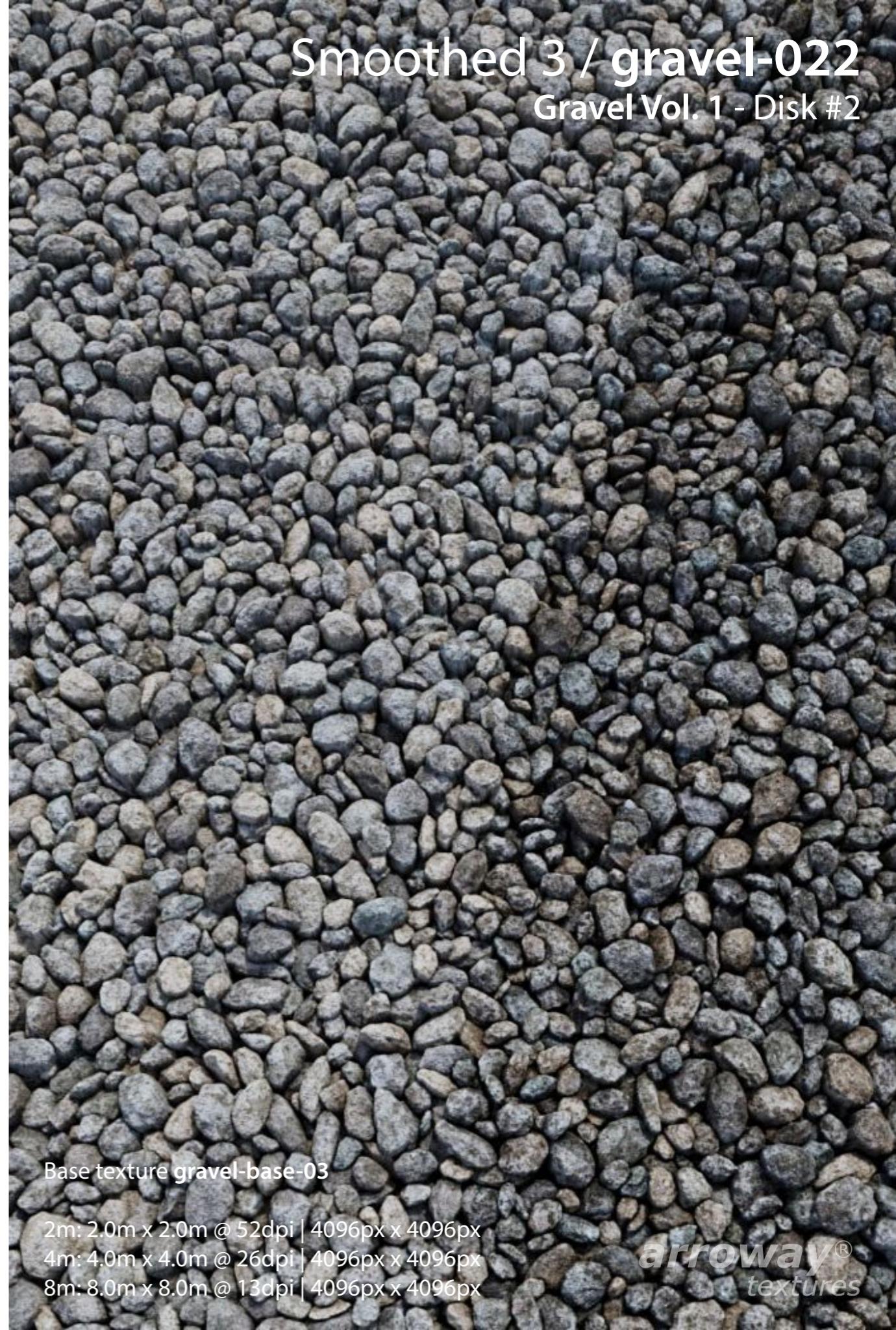
Smoothed 3 / gravel-022
Gravel Vol. 1 - Disk #2
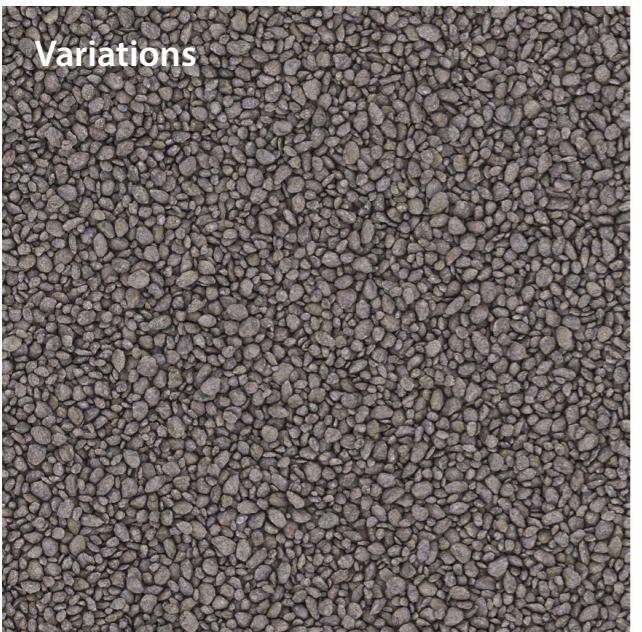
Base texture **gravel-base-03**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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textures

# Smoothed 3 / **gravel-023**
Gravel Vol. 1 - Disk #2
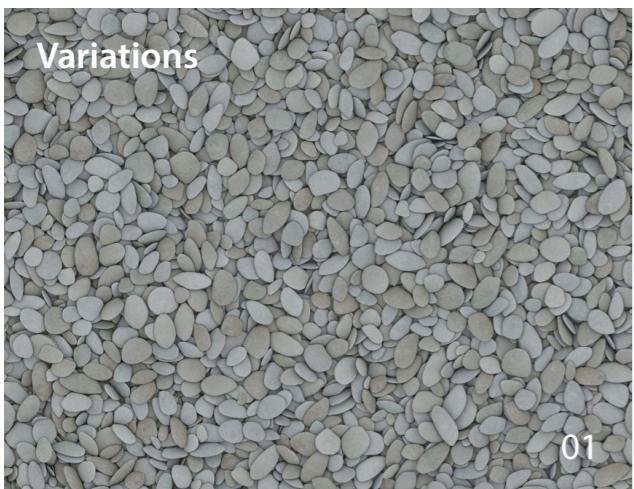
Base texture **gravel-base-03**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

01

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Smoothed 4 / gravel-024

Gravel Vol. 1 - Disk #2
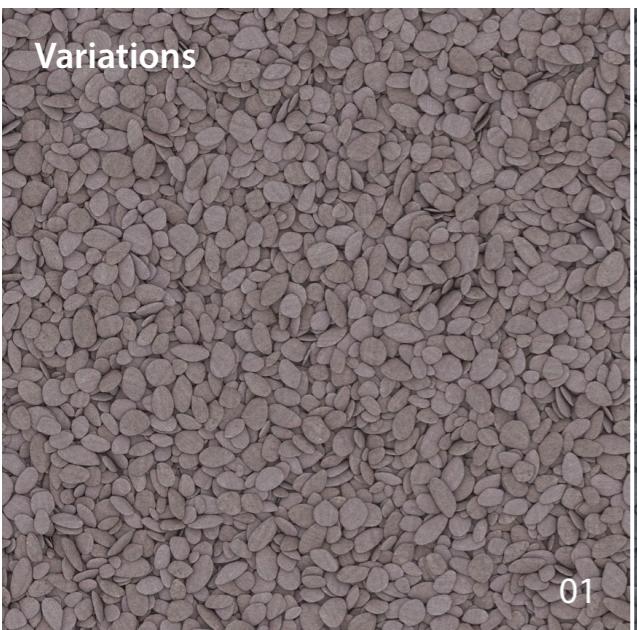
Base texture gravel-base-04

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px
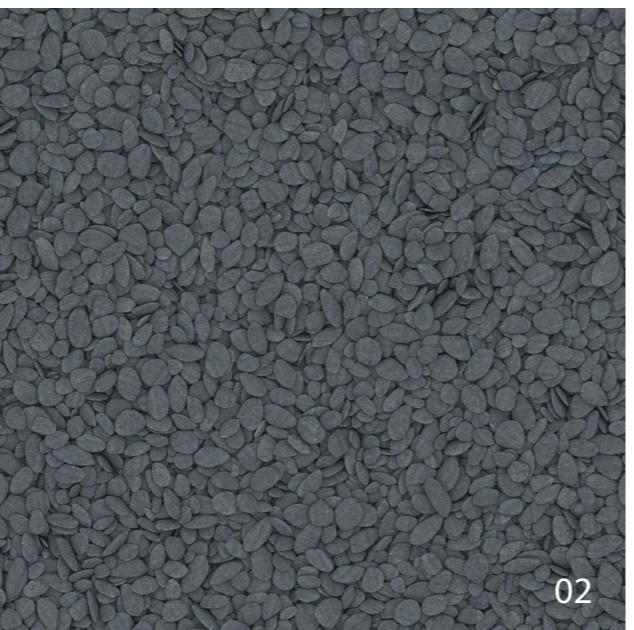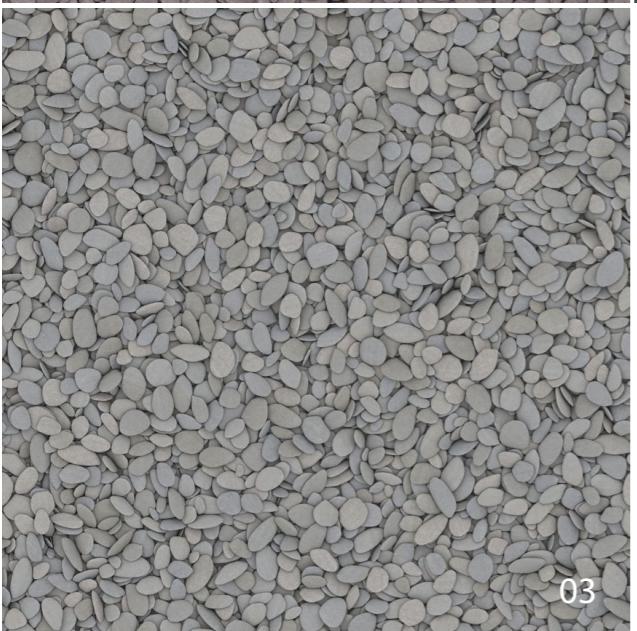
arroway® textures

01

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Smoothed 4 / gravel-025
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-04**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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Variations

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Pebbles 1 / gravel-026
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-05**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px
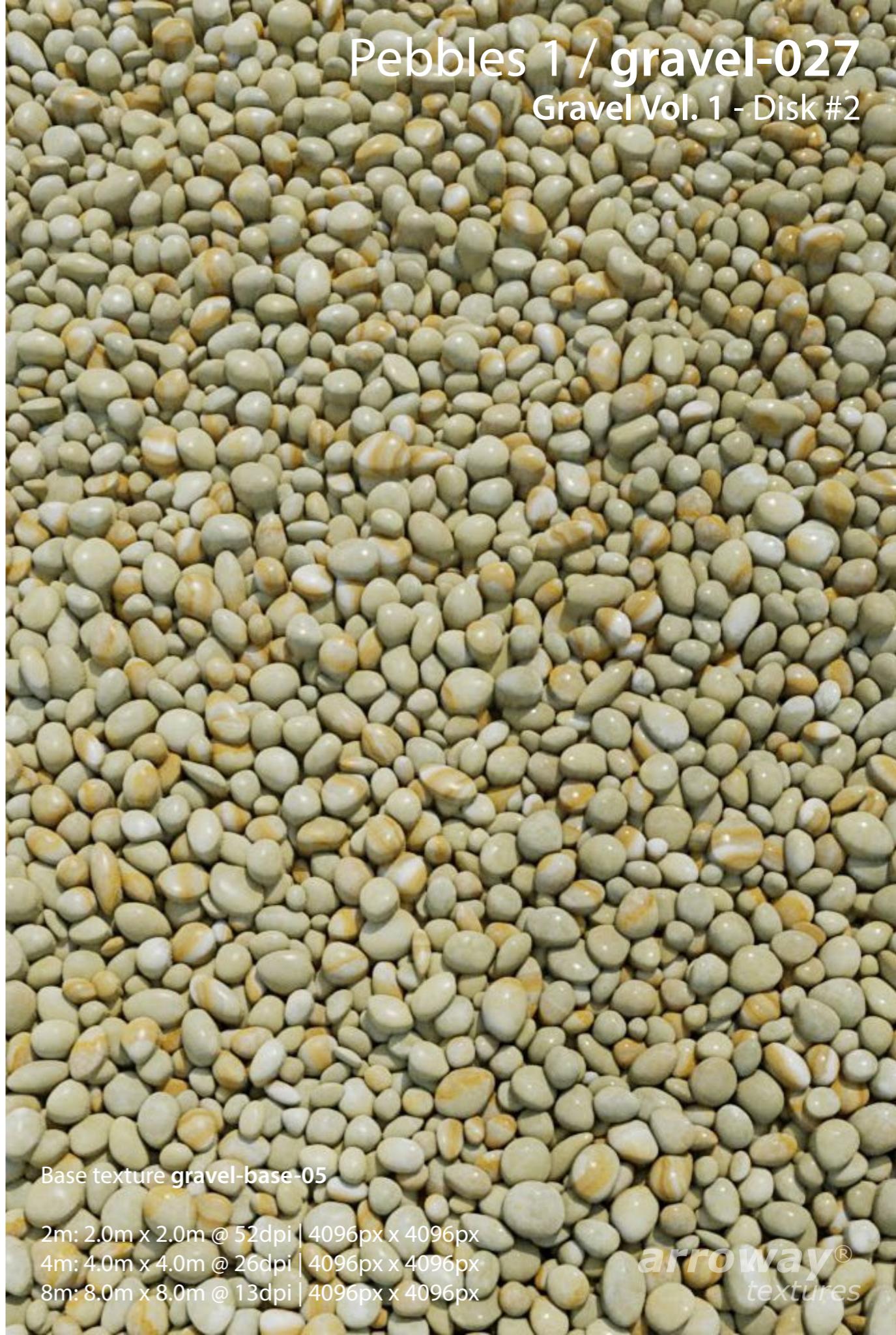
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textures

Variations

Pebbles 1 / **gravel-027**
Gravel Vol. 1 - Disk #2
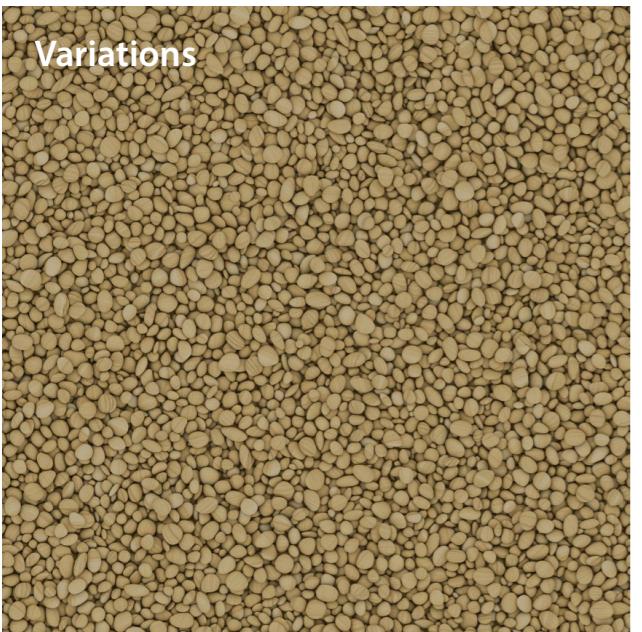
Base texture **gravel-base-05**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px
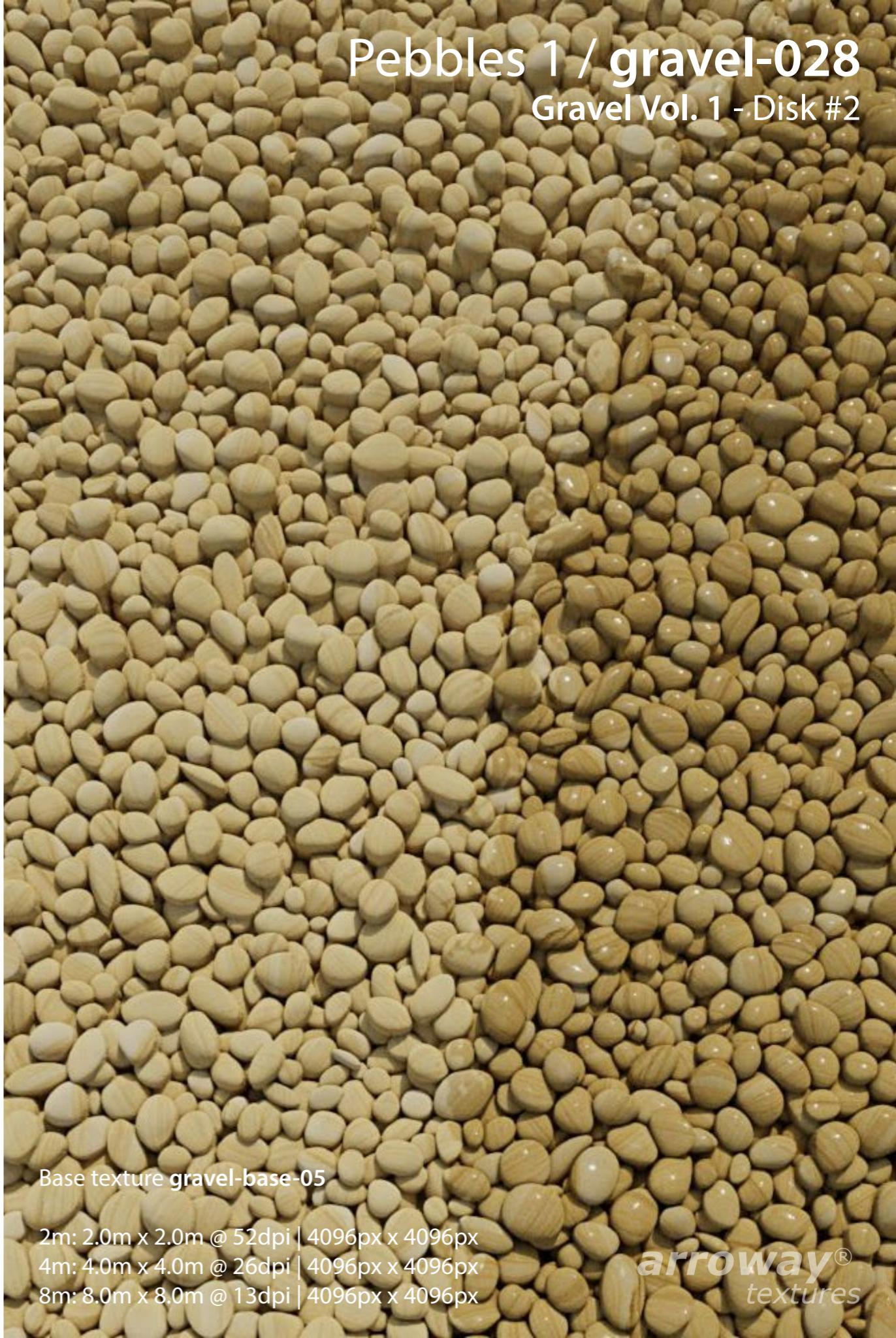
Variations

Base texture **gravel-base-05**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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Pebbles 1 / **gravel-029**
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-05**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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textures

Variations

Pebbles 1 / **gravel-030**
Gravel Vol. 1 - Disk #2
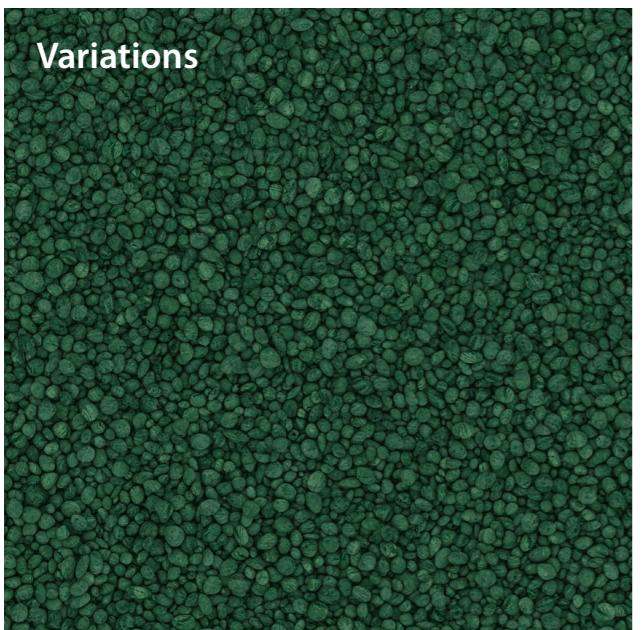
Base texture **gravel-base-05**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px
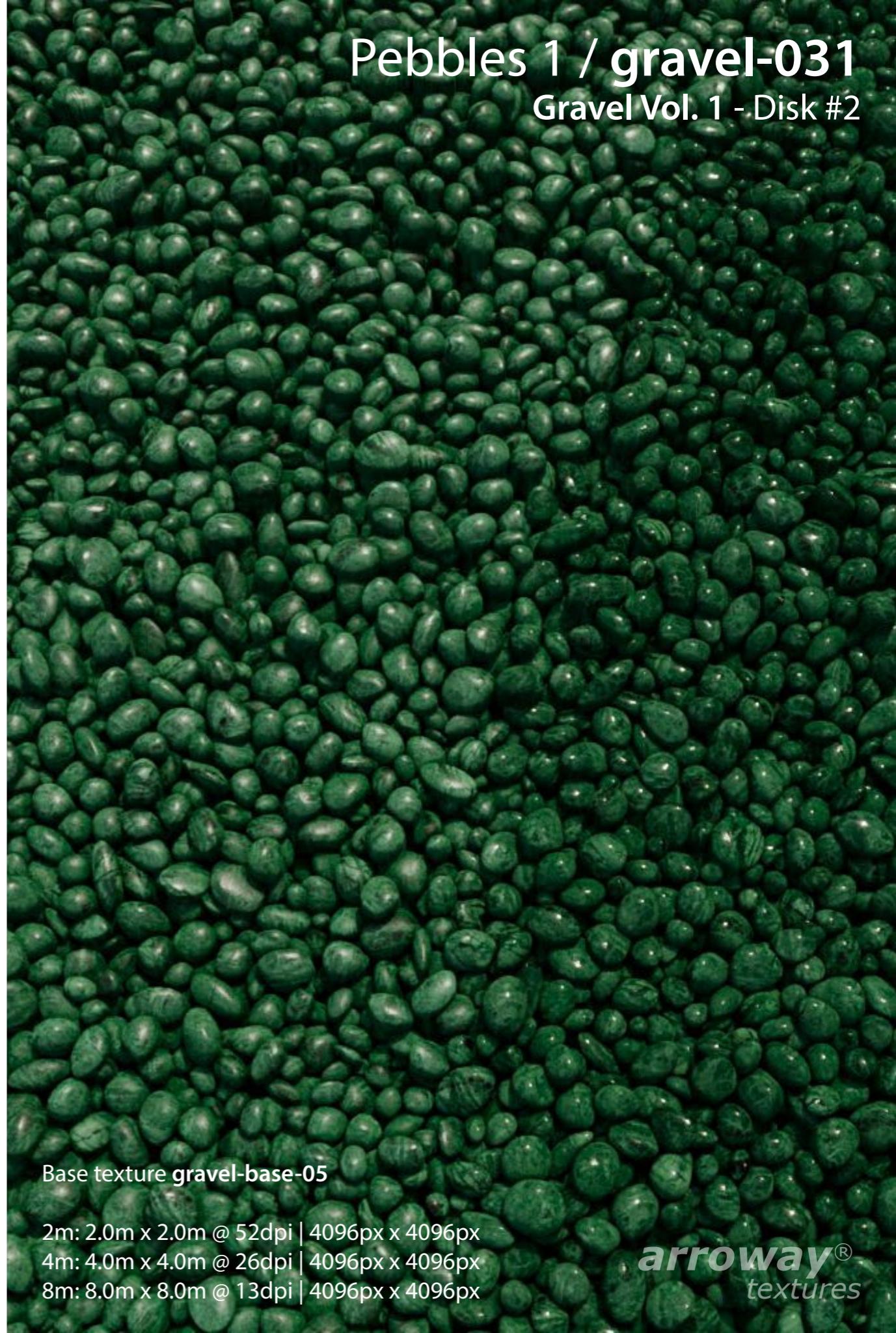
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textures

Pebbles 1 / **gravel-031**
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-05**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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textures

Variations

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Base texture **gravel-base-06**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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textures

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Pebbles 2 / gravel-033
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-06**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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textures

Variations

Pebbles 2 / **gravel-034**
Gravel Vol. 1 - Disk #2
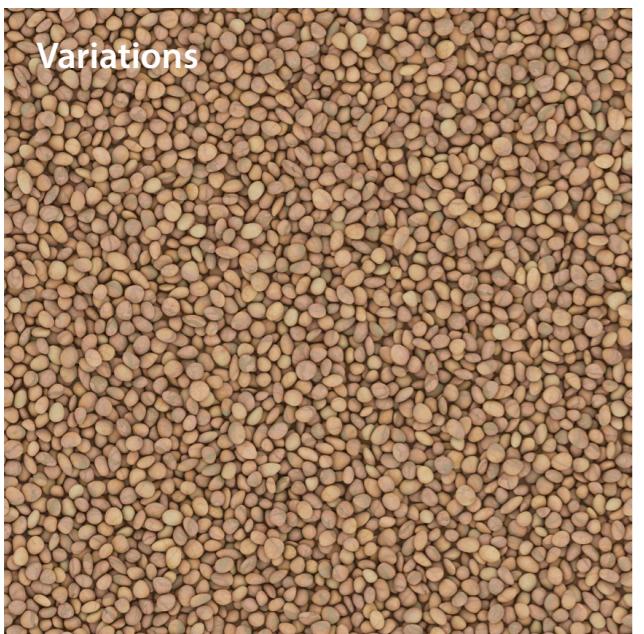
Base texture **gravel-base-06**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

Variations

Pebbles 2 / **gravel-035**
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-06**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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textures

Base texture **gravel-base-06**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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textures

Variations

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Pebbles 3 / gravel-037
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-07**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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textures

Variations

01

02
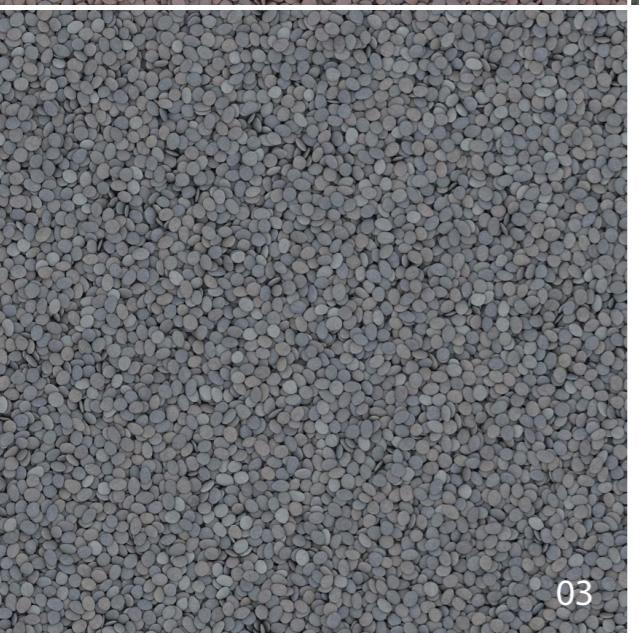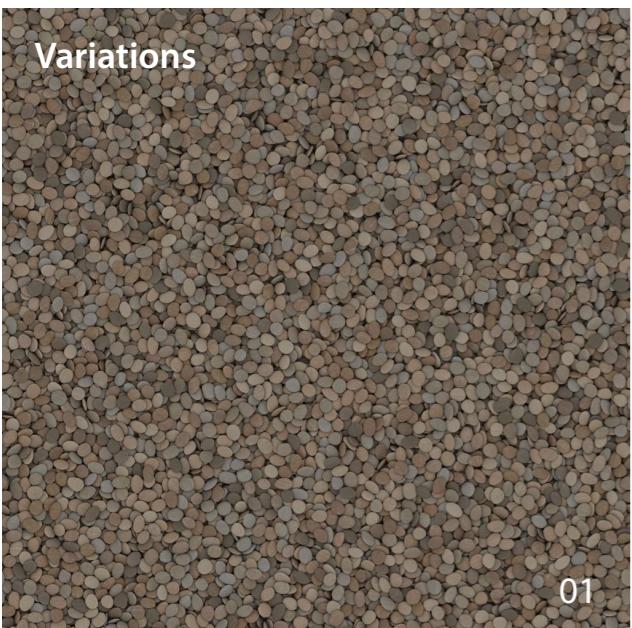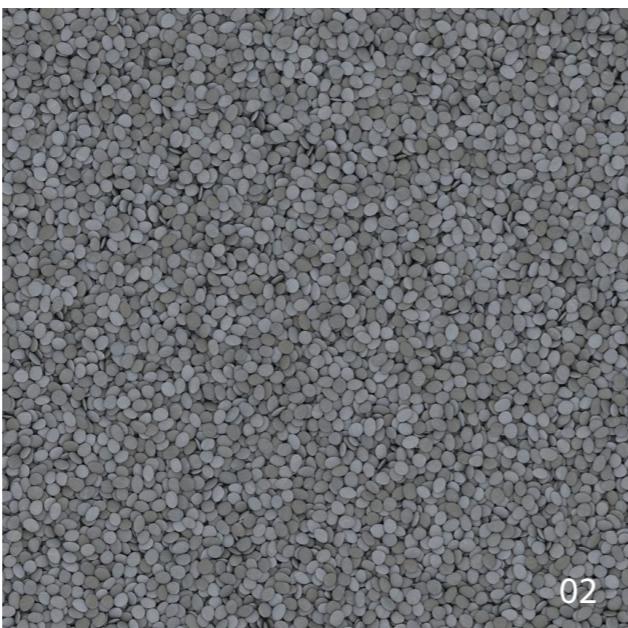
Base texture **gravel-base-07**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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textures.

Pebbles 3 / **gravel-039**
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-07**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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textures

Variations

01

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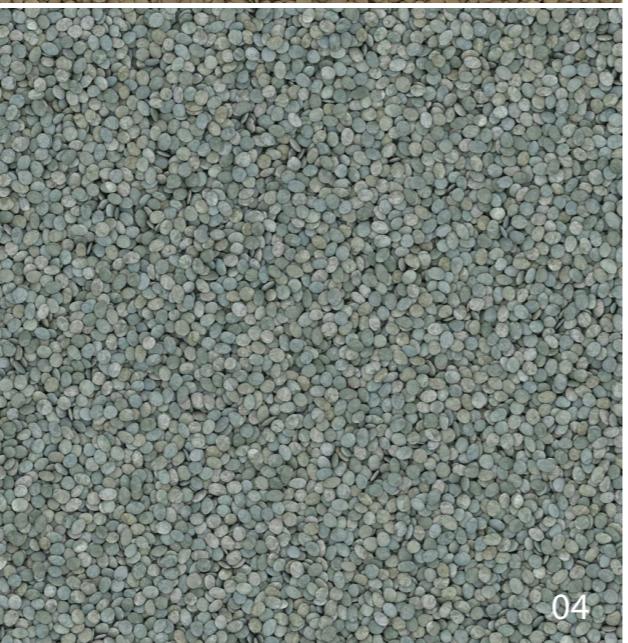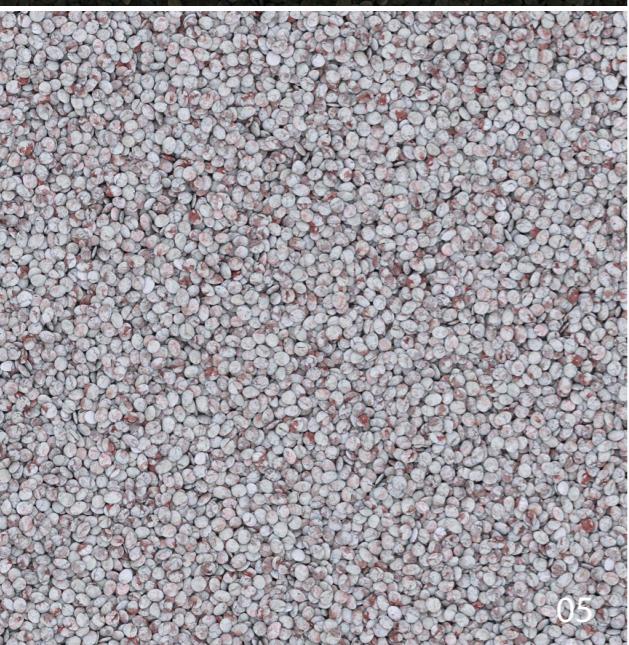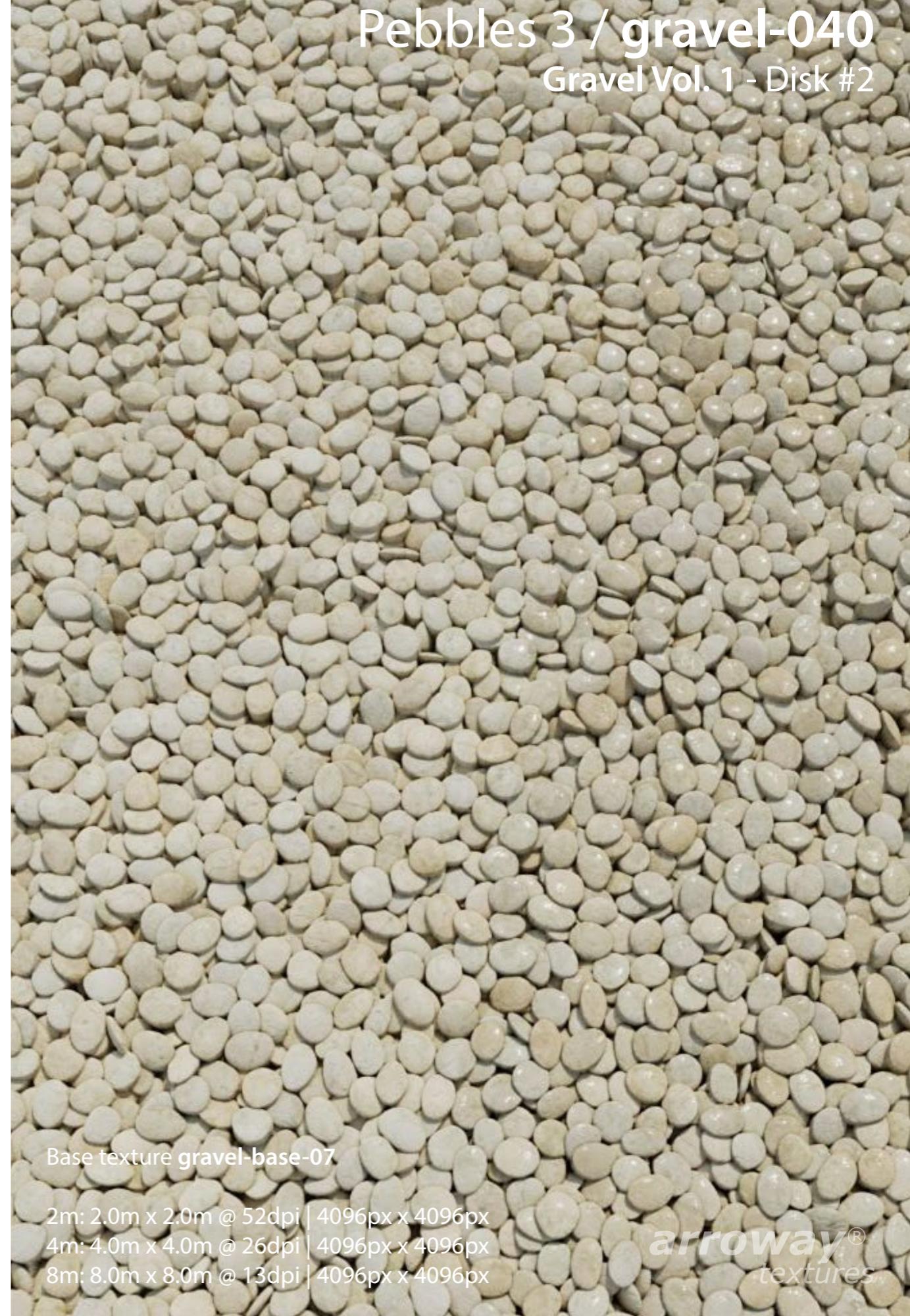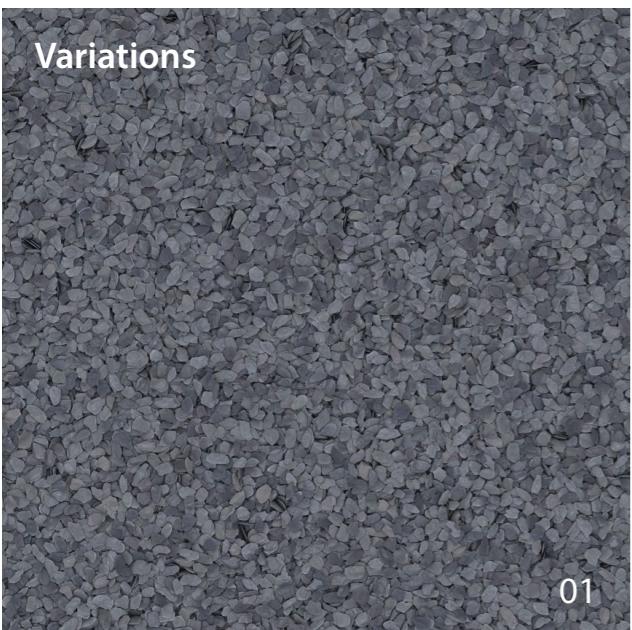
Pebbles 3 / gravel-040
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-07**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px
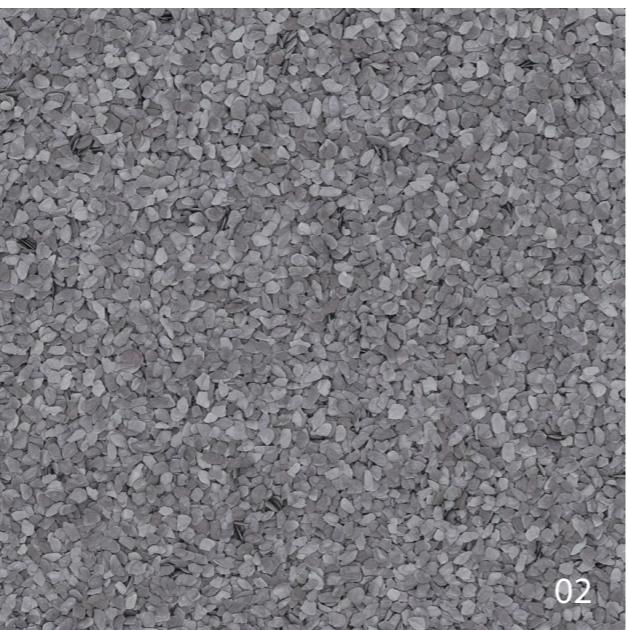
Slate 1 / gravel-041
Gravel Vol. 1 - Disk #2
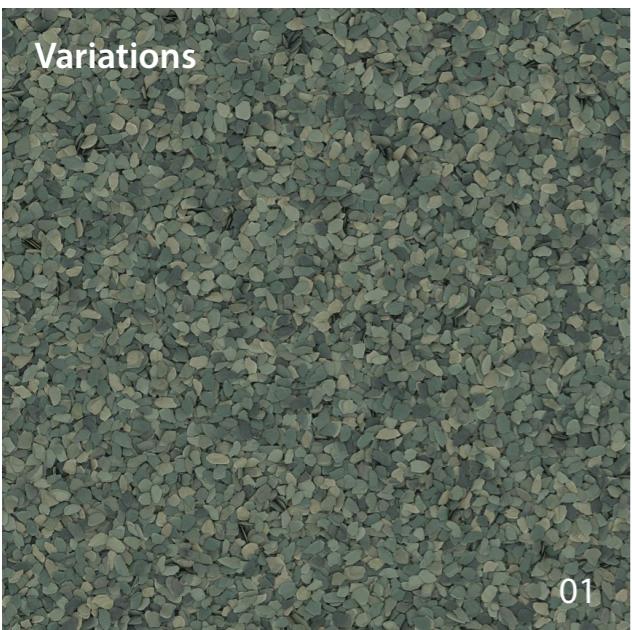
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textures

Slate 1 / **gravel-042**
Gravel Vol. 1 - Disk #2
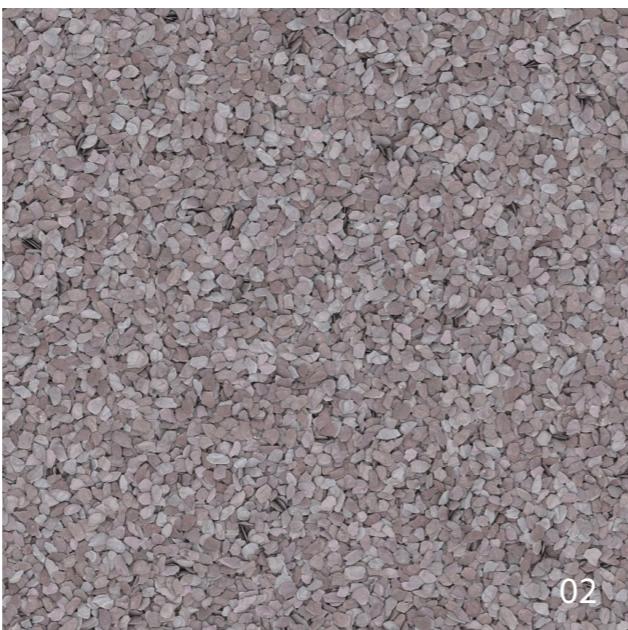
Base texture **gravel-base-08**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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textures

Variations

01

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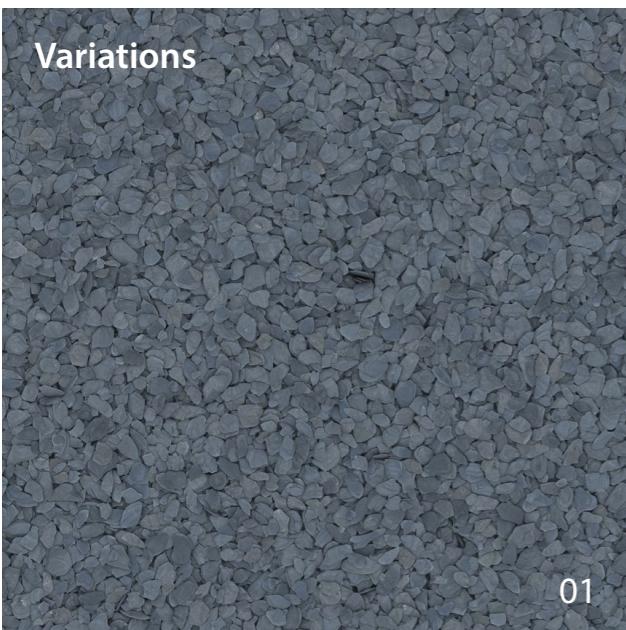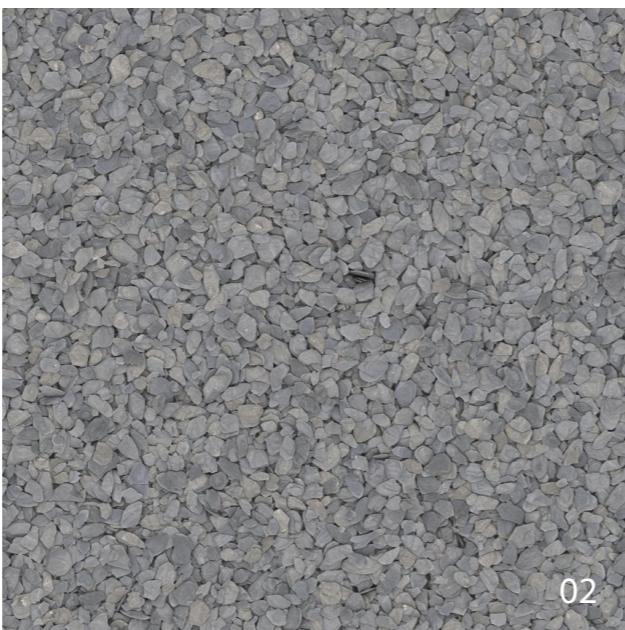
Base texture **gravel-base-08**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px
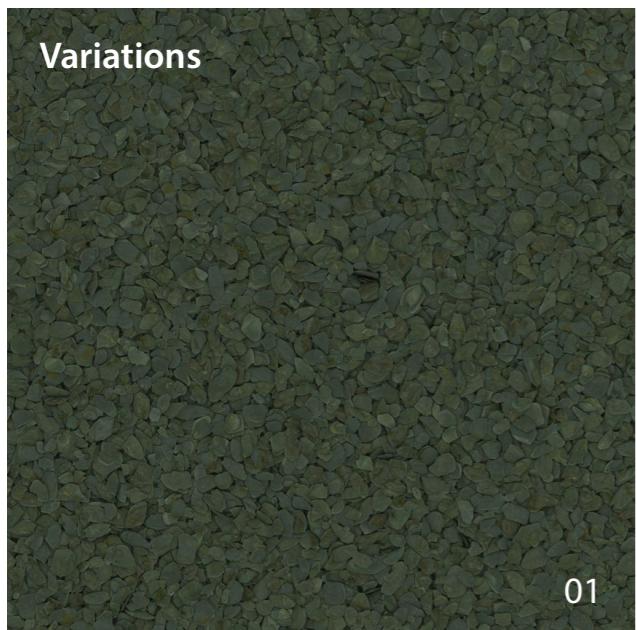
arroway®
textures

Slate 2 / gravel-044
Gravel Vol. 1 - Disk #2

Variations

01

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Base texture **gravel-base-09**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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Base texture **gravel-base-09**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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textures

Variations

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Base texture **gravel-base-09**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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textures

Variations

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Base texture gravel-base-10

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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textures

Crushed 1 / **gravel-048**
Gravel Vol. 1 - Disk #2
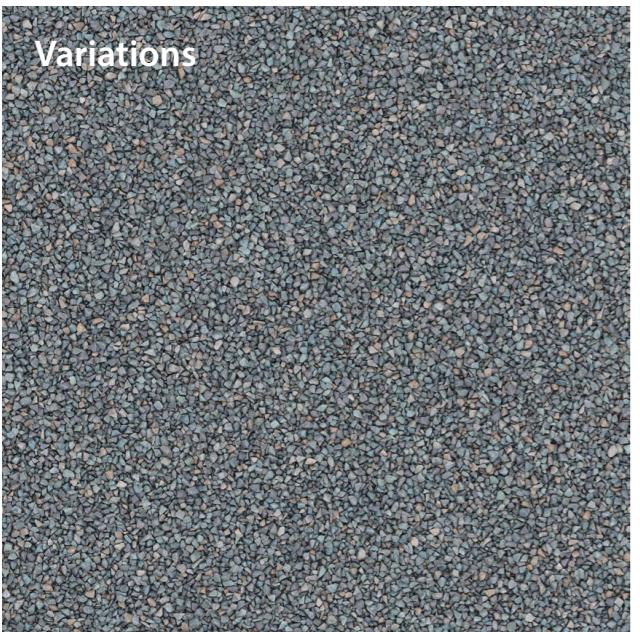
Base texture **gravel-base-10**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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Crushed 1 / gravel-049
Gravel Vol. 1 - Disk #2
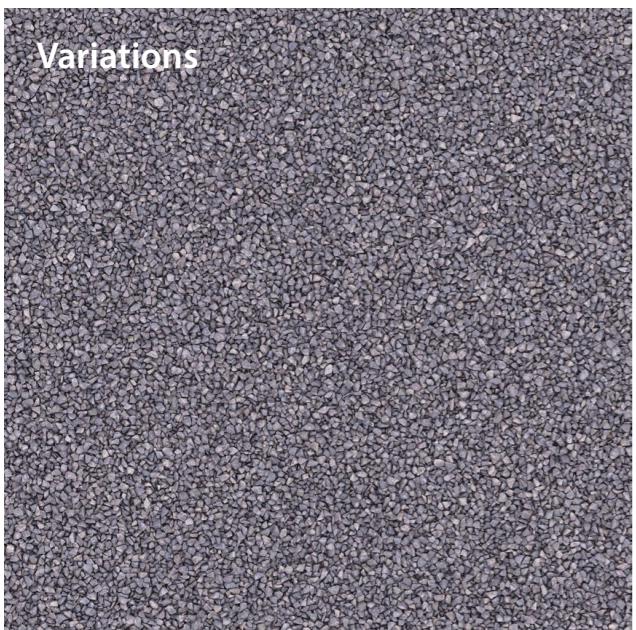
Base texture **gravel-base-10**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

Crushed 1 / gravel-050
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-10**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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textures

Base texture gravel-base-10

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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Variations

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Base texture **gravel-base-10**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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textures

Crushed 1 / **gravel-053**
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-10**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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textures

Variations

Base texture **gravel-base-10**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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textures

Variations

01

02

03

04

Crushed 2 / gravel-055
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-11**
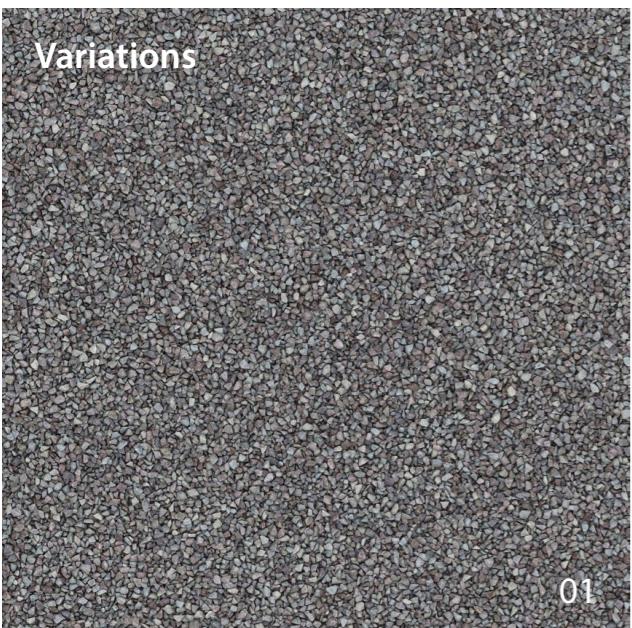
2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px
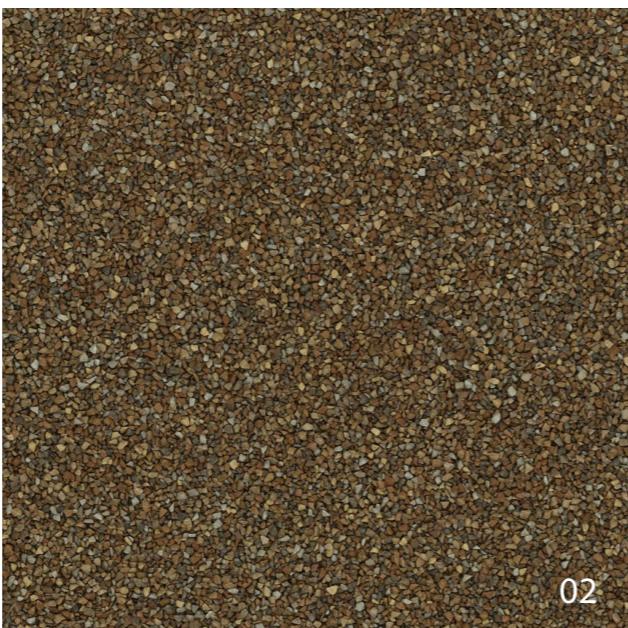
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textures

Variations

01

02

Crushed 2 / gravel-056
Gravel Vol. 1 - Disk #2
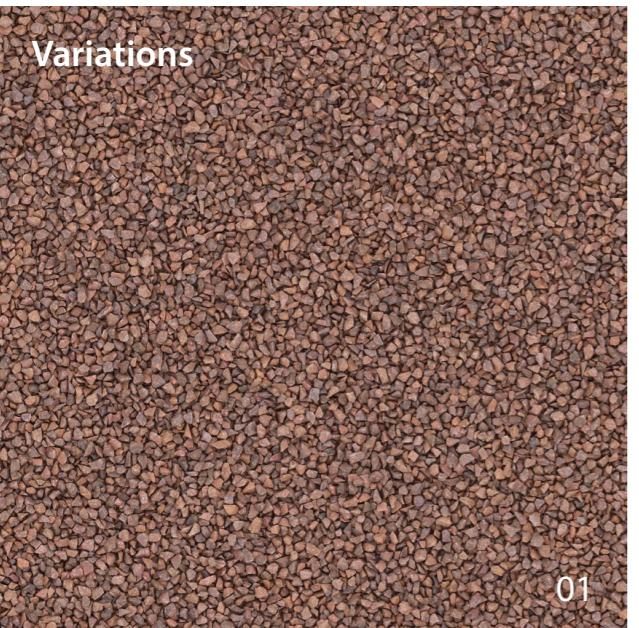
Base texture **gravel-base-11**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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Crushed 2 / **gravel-057**
Gravel Vol. 1 - Disk #2
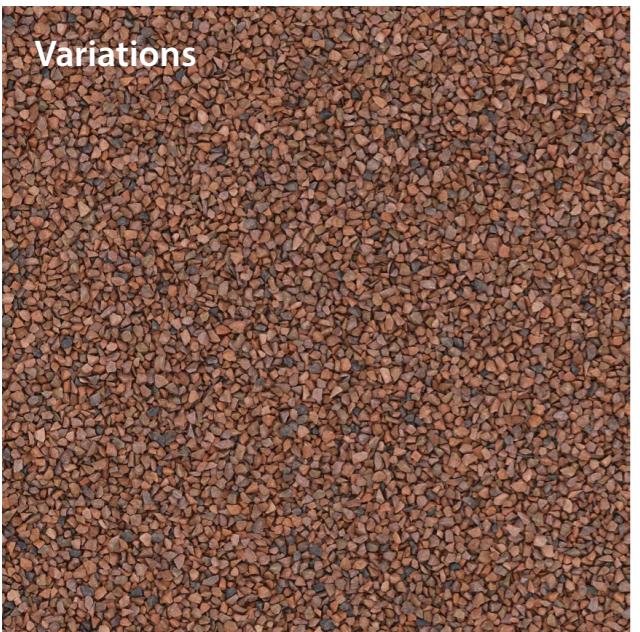
Base texture **gravel-base-11**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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Crushed 2 / **gravel-058**

Gravel Vol. 1 - Disk #2
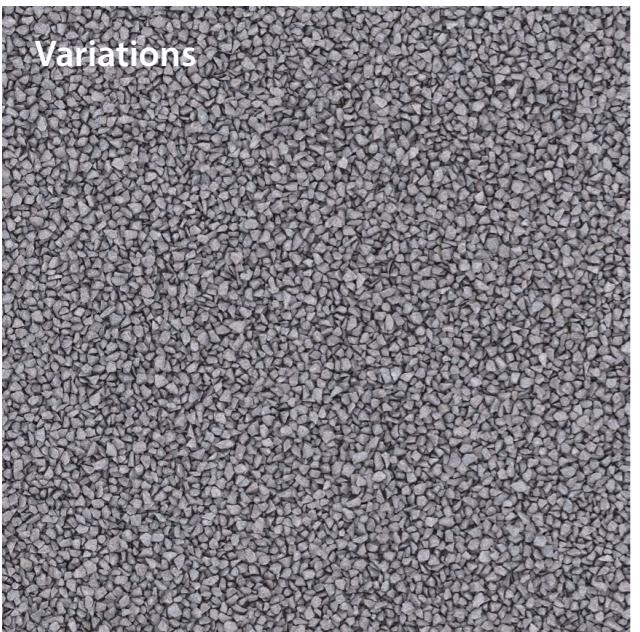
Base texture **gravel-base-11**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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Variations

Crushed 2 / gravel-059
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-11**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

Crushed 2 / **gravel-060**

Gravel Vol. 1 - Disk #2

Base texture **gravel-base-11**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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01

02

Crushed 2 / gravel-061
Gravel Vol. 1 - Disk #2
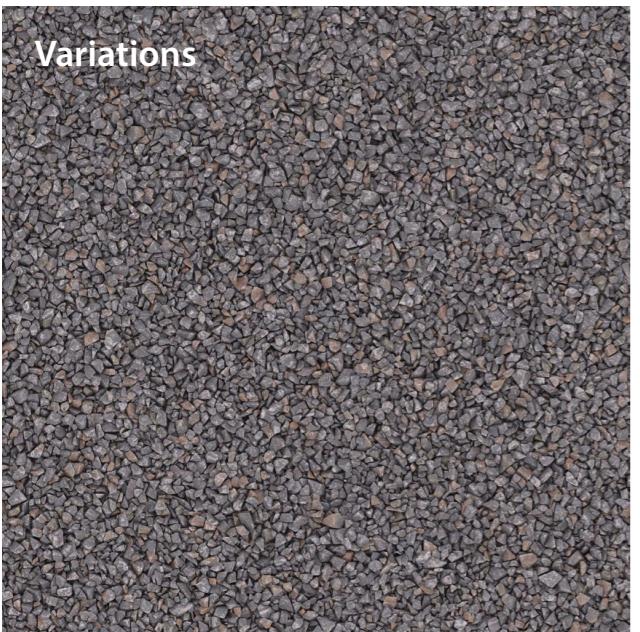
Base texture **gravel-base-11**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

Crushed 3 / **gravel-062**
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-12**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

arroway® textures

01

02

Crushed 3 / **gravel-063**
Gravel Vol. 1 - Disk #2
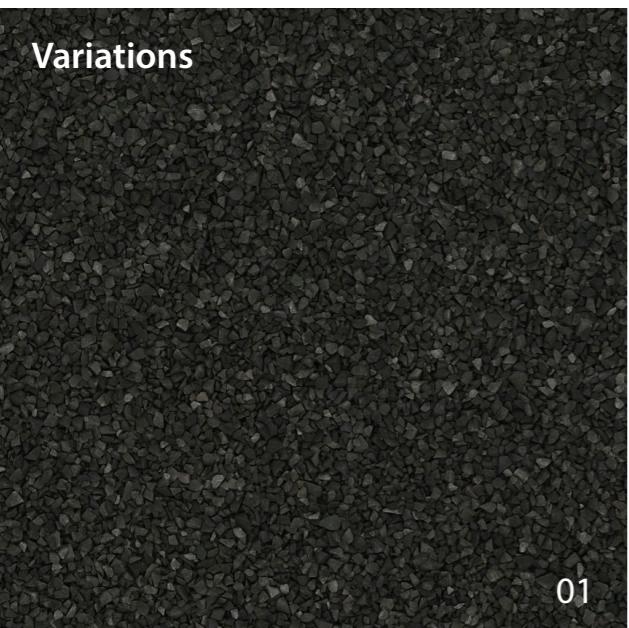
Base texture **gravel-base-12**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px
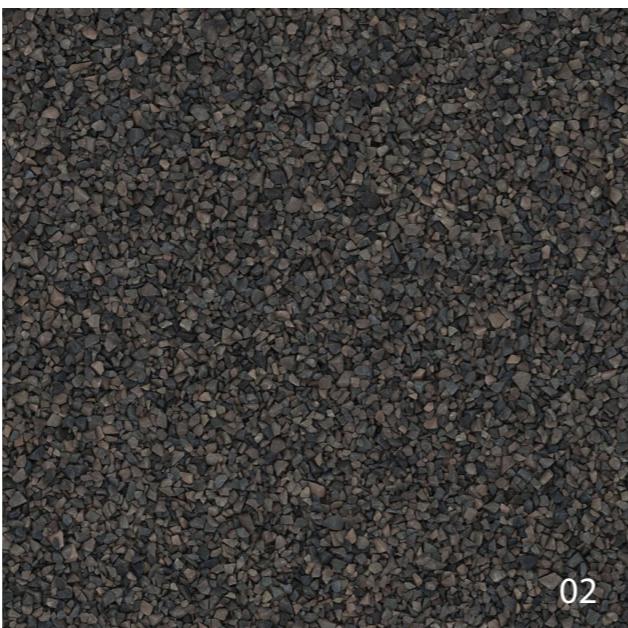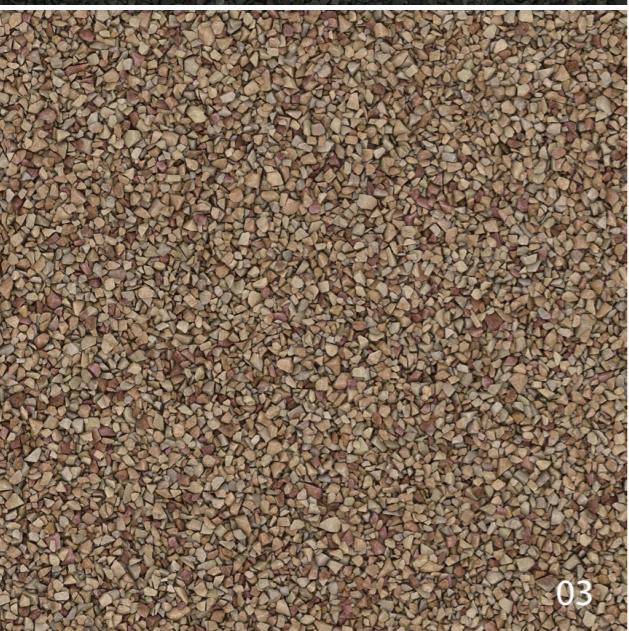
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01

02

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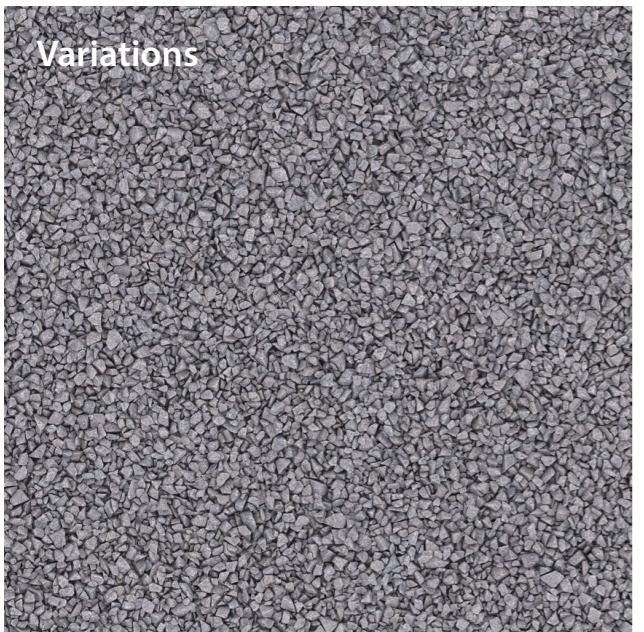
Crushed 3 / **gravel-064**
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-12**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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Variations

Crushed 3 / gravel-065
Gravel Vol. 1 - Disk #2
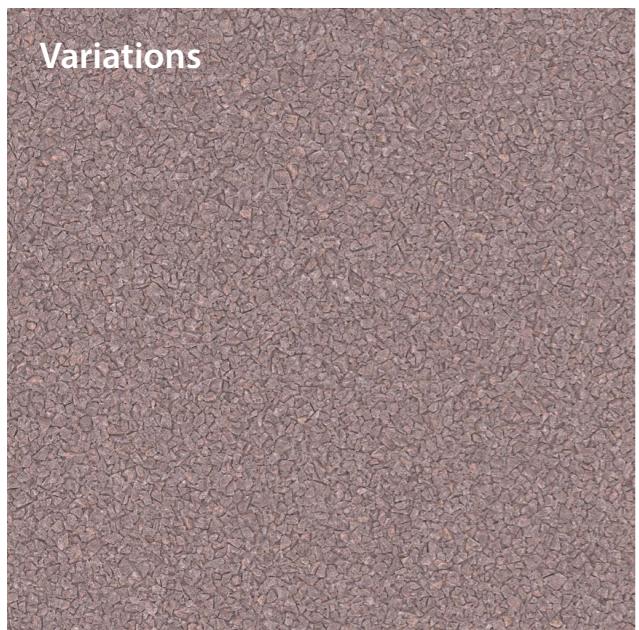
Base texture **gravel-base-12**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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Variations

Crushed 3 / **gravel-066**

Gravel Vol. 1 - Disk #2
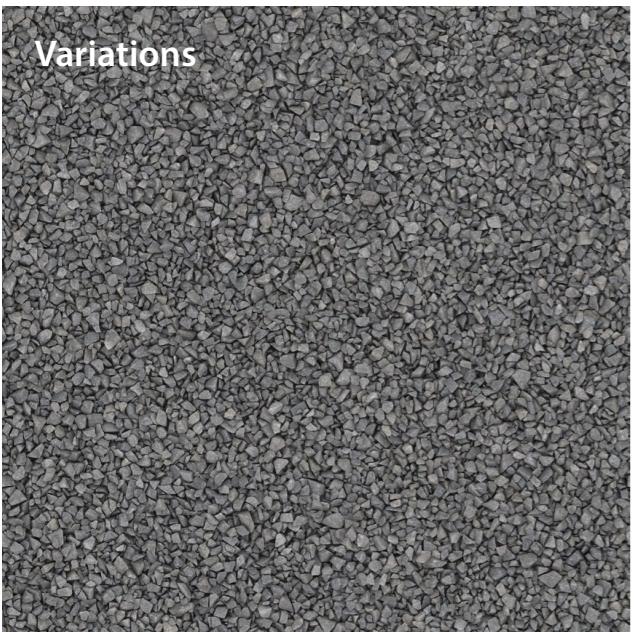
Base texture **gravel-base-12**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

Variations

Crushed 3 / gravel-067
Gravel Vol. 1 - Disk #2
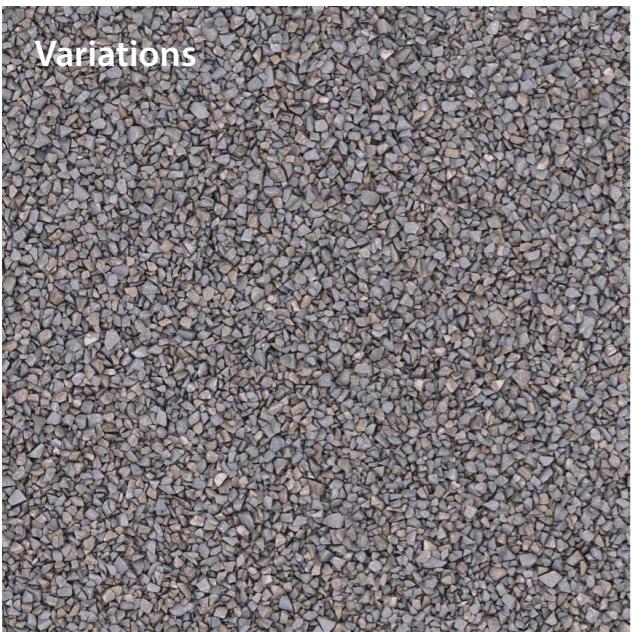
Base texture **gravel-base-12**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

Variations

Base texture **gravel-base-12**
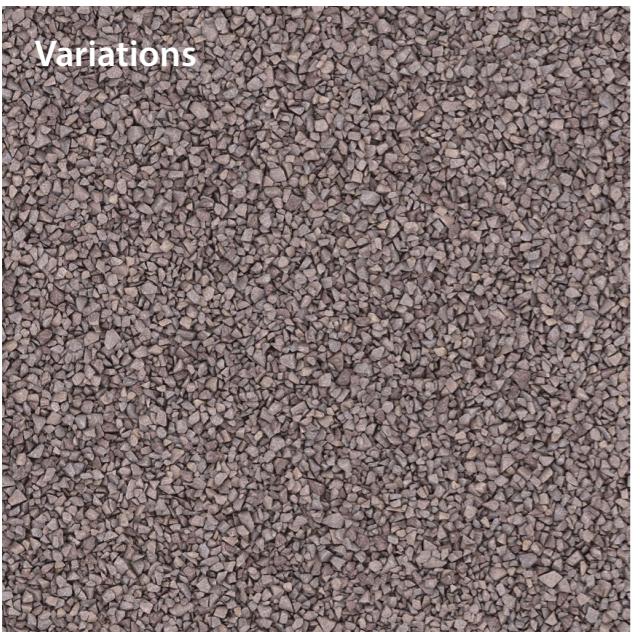
2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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textures

Variations

Crushed 3 / gravel-069
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-12**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

Crushed 3 / **gravel-070**
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-12**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

Variations

Base texture **gravel-base-13**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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Base texture **gravel-base-13**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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Variations

Base texture **gravel-base-13**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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Mix 2 / **gravel-074**
Gravel Vol. 1 - Disk #2
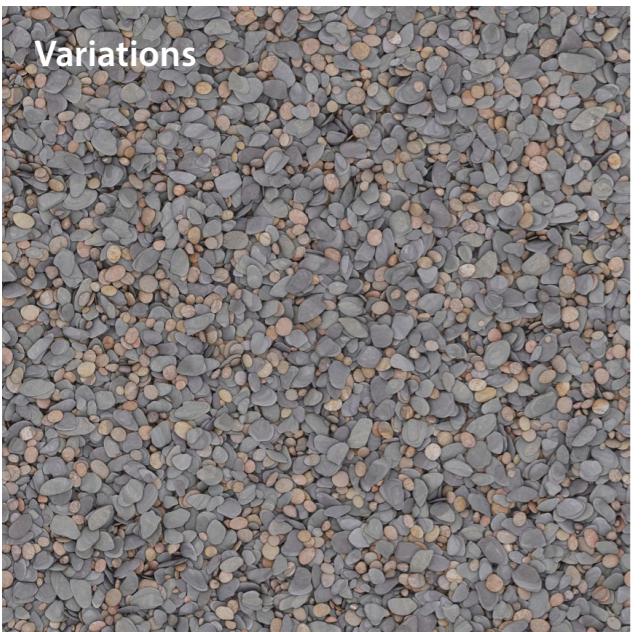
Base texture **gravel-base-14**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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Variations
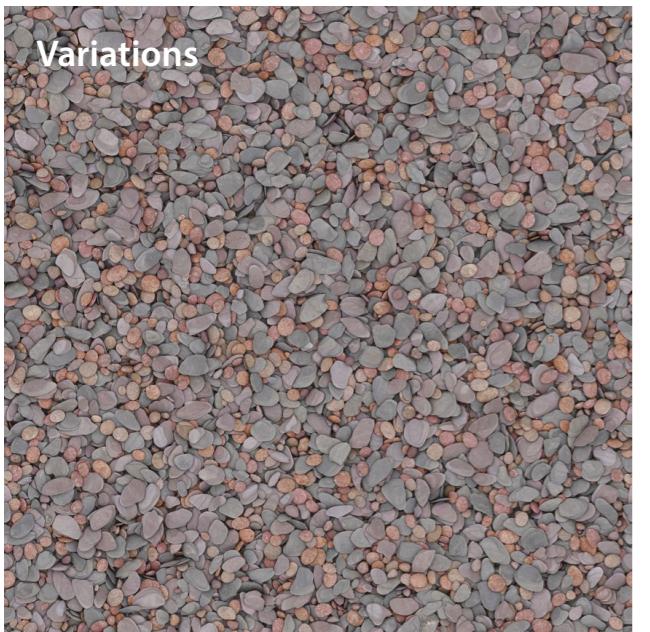
Base texture **gravel-base-14**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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Mix 2 / **gravel-076**
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-14**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px
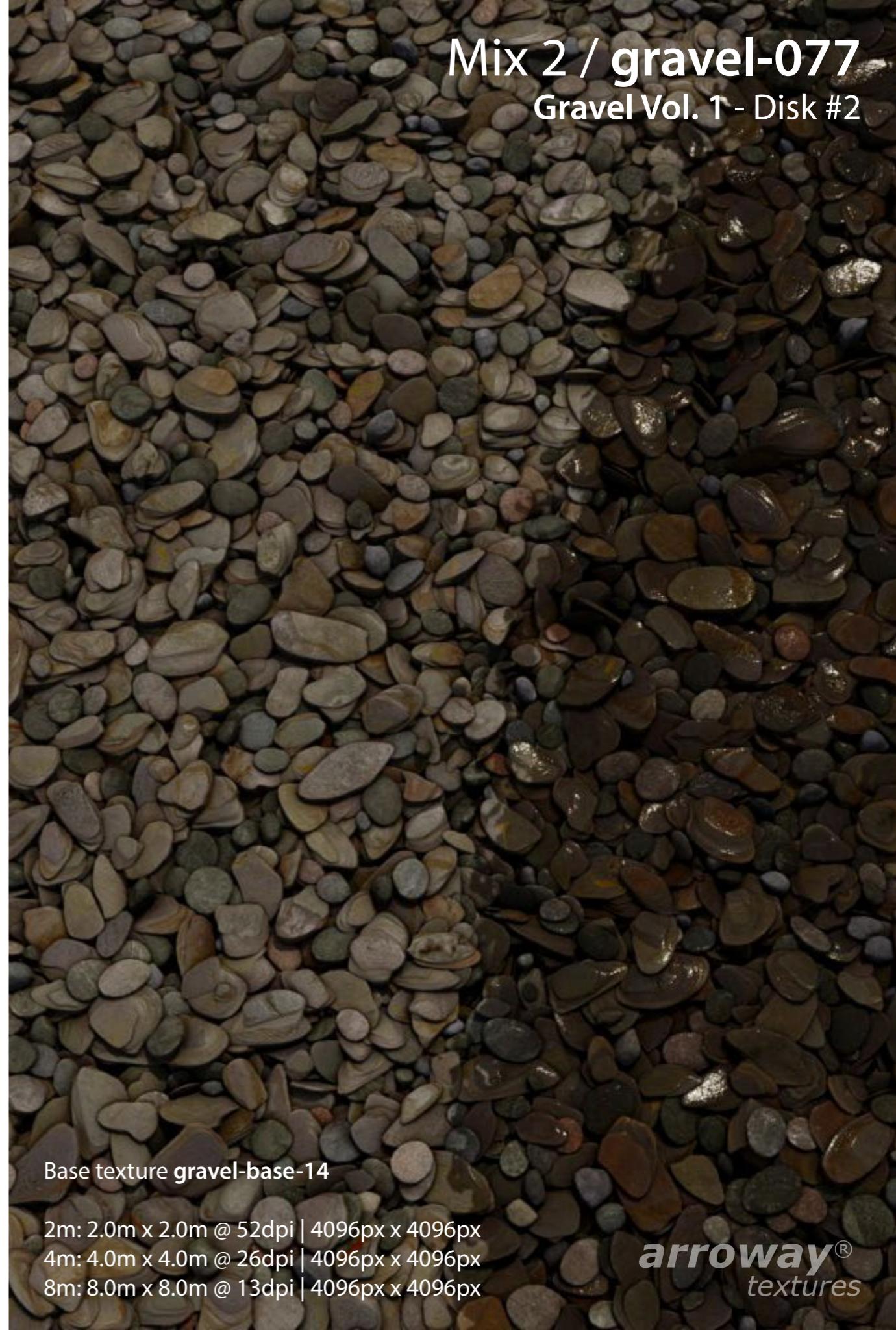
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Base texture **gravel-base-14**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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Mix 3 / gravel-078
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-15**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px
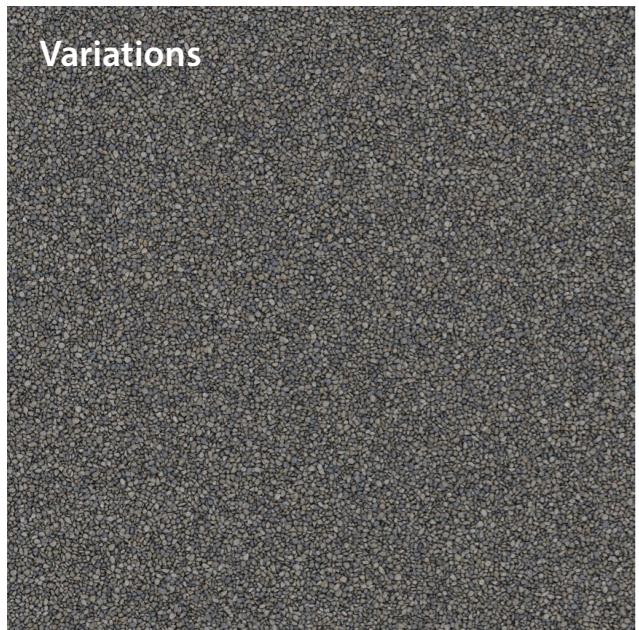
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Base texture **gravel-base-15**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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Mix 3 / **gravel-080**
Gravel Vol. 1 - Disk #2

Base texture **gravel-base-15**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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Variations

Base texture **gravel-base-15**

2m: 2.0m x 2.0m @ 52dpi | 4096px x 4096px
4m: 4.0m x 4.0m @ 26dpi | 4096px x 4096px
8m: 8.0m x 8.0m @ 13dpi | 4096px x 4096px

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