



## 8.3.1 Editors - Image Editor - Sidebar - Tool Tab in Paint Mode

### Table of content

Detailed Table of Content.....	1
Tool Tab.....	7
Brush Asset Panel.....	7
Brush settings Panel.....	8
Brush Settings Panel - Color Picker Sub panel.....	12
Brush Settings Panel - Color Palette Sub panel.....	13
Brush Settings Panel - Advanced Sub panel.....	14
Brush Settings Panel - Texture Sub panel.....	17
Brush Settings Panel - Texture Mask Sub panel.....	22
Stroke Panel.....	26
Brush Settings Panel - Falloff Sub panel.....	33
Brush Settings Panel - Brush Tip Sub panel.....	35
Tiling panel.....	36

### Detailed Table of Content

### Detailed Table of Content

Detailed Table of Content.....	1
Tool Tab.....	7
Save Image.....	7
Brush Asset Panel.....	7
Browse Brush.....	7
Brush Specials menu.....	7
Edit Metadata.....	8
Catalog.....	8
Author.....	8
Description.....	8
OK / Cancel.....	8
Edit Preview Image.....	8
Save Brush Asset.....	8
Revert Brush Asset.....	8
Brush settings Panel.....	8
Blend.....	9
Size.....	9
Size Pressure.....	9
Pressure Size Curve.....	9
Selecting Points.....	9
Adding Points.....	9
Navigation elements.....	10
Zoom in.....	10
Zoom out.....	10
Clipping options.....	10
Tools.....	10

Reset View.....	10
Reset Curve.....	10
Handles.....	10
Position X / Y.....	10
Delete Points.....	10
Curve Presets.....	10
Use Unified Radius.....	10
Strength.....	10
Size Pressure.....	10
Pressure Size Curve.....	11
Selecting Points.....	11
Adding Points.....	11
Navigation elements.....	11
Zoom in.....	11
Zoom out.....	11
Clipping options.....	11
Tools.....	11
Reset View.....	11
Reset Curve.....	11
Handles.....	12
Position X / Y.....	12
Delete Points.....	12
Curve Presets.....	12
Use Unified Radius.....	12
Brush Settings Panel - Color Picker Sub panel.....	12
Brush colors flip.....	12
Use unified Color.....	12
Brush Settings Panel - Color Palette Sub panel.....	13
Palette browser.....	13
Edit Box.....	13
Number of users.....	13
Fake User.....	13
Add palette.....	13
Remove Palette.....	13
Brush Settings Panel - Advanced Sub panel.....	14
Brush type Draw.....	14
Anti Aliasing.....	14
Accumulate.....	14
Brush type Soften.....	14
Sharpen / Soften.....	14
Sharp Threshold.....	14
Kernel Radius.....	14
Blur Mode.....	14
Brush type Smear.....	15
Anti Aliasing.....	15
Brush type Clone.....	15
Anti Aliasing.....	15
Image.....	15
Alpha.....	15
Accumulate.....	15
Brush type Fill.....	15
Anti Aliasing.....	15

Brush type Mask.....	16
Anti Aliasing.....	16
Mask Value.....	16
Accumulate.....	16
Randomize Color subtab.....	16
Hue.....	16
Hue Jitter.....	16
Stroke Random.....	16
Use Pressure.....	16
Saturation.....	16
Saturation Jitter.....	16
Stroke Random.....	16
Use Pressure.....	16
Value.....	17
Value Jitter.....	17
Stroke Random.....	17
Use Pressure.....	17
Modes subpanel.....	17
Brush Settings Panel - Texture Sub panel.....	17
Texture Panel.....	17
Browse Texture to be linked.....	17
Texture Edit box.....	18
New Texture.....	18
Remove.....	18
Show Texture in Texture tab.....	19
Brush Mapping.....	19
Brush Mapping with mapping method Tiled.....	19
Angle.....	19
Offset.....	19
Size.....	19
Brush Mapping with mapping method View Plane.....	19
Angle.....	19
Rake.....	20
Random.....	20
Random Angle.....	20
Offset.....	20
Size.....	20
Brush Mapping with mapping method 3D.....	20
Offset.....	20
Size.....	20
Brush Mapping with mapping method Random.....	20
Angle.....	21
Rake.....	21
Random.....	21
Random Angle.....	21
Brush Mapping with mapping method Stencil.....	21
Image Aspect.....	21
Reset Transform.....	21
Angle edit box.....	22
Offset.....	22
Size.....	22
Brush Settings Panel - Texture Mask Sub panel.....	22

Texture Mask Panel.....	22
Browse Texture to be linked.....	22
Brush Mapping with mapping method View Plane.....	23
Pressure Masking.....	23
Angle.....	23
Rake.....	23
Random.....	23
Random Angle.....	24
Offset.....	24
Size.....	24
Brush Mapping with mapping method Tiled.....	24
Pressure Masking.....	24
Angle.....	24
Offset.....	24
Size.....	24
Brush Mapping with mapping method Random.....	24
Pressure Masking.....	25
Mask Pressure Mode.....	25
Angle.....	25
Rake.....	25
Random.....	25
Random Angle.....	25
Offset.....	25
Size.....	25
Brush Mapping with mapping method Stencil.....	25
Image Aspect.....	25
Reset Transform.....	25
Pressure Masking.....	26
Angle edit box.....	26
Offset.....	26
Size.....	26
Stroke Panel.....	26
Stroke Panel.....	26
Stroke method Space.....	26
Spacing Edit Box.....	26
Spacing Pressure.....	27
Adjust Strength for Spacing.....	27
Dash Ratio.....	27
Dash Length.....	27
Jitter Edit Box.....	27
Spacing Pressure.....	27
Jitter Unit.....	27
Input Samples Edit Box.....	27
Stabilize Stroke subpanel.....	27
Radius.....	27
Factor.....	27
Stroke method Curve.....	28
Spacing Edit Box.....	28
Paint Curve edit box.....	28
Draw Curve Button.....	29
Jitter Edit Box.....	29
Jitter Pressure.....	29

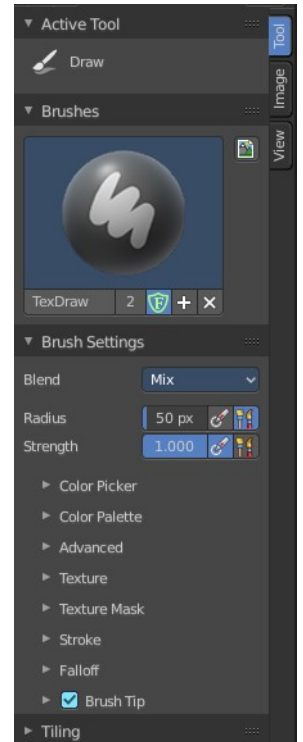
Jitter Unit.....	29
Input Samples Edit Box.....	29
Stabilize Stroke subpanel.....	29
Radius.....	29
Factor.....	29
Stroke method Line.....	29
Spacing Edit Box.....	30
Jitter Edit Box.....	30
Jitter Pressure.....	30
Jitter Unit.....	30
Input Samples Edit Box.....	30
Stabilize Stroke subpanel.....	30
Radius.....	30
Factor.....	30
Stroke method Anchored.....	30
Edge to edge.....	30
Jitter Edit Box.....	30
Jitter Pressure.....	30
Jitter Unit.....	31
Input Sample Edit Box.....	31
Stabilize Stroke subpanel.....	31
Radius.....	31
Factor.....	31
Stroke method Airbrush.....	31
Rate Edit Box.....	31
Jitter Edit Box.....	31
Jitter Pressure.....	31
Jitter Unit.....	31
Input Samples Edit Box.....	31
Stabilize Stroke subpanel.....	31
Radius.....	32
Factor.....	32
Stroke method Drag Dot.....	32
Jitter Edit Box.....	32
Jitter Pressure.....	32
Jitter Unit.....	32
Input Samples Edit Box.....	32
Stabilize Stroke subpanel.....	32
Radius.....	32
Factor.....	32
Stroke method Dots.....	33
Jitter Edit Box.....	33
Jitter Pressure.....	33
Jitter Unit.....	33
Input Samples Edit Box.....	33
Stabilize Stroke subpanel.....	33
Radius.....	33
Factor.....	33
Brush Settings Panel - Falloff Sub panel.....	33
Selecting Points.....	34
Adding Points.....	34
Navigation elements.....	34

Zoom in and out.....	34
Use Clipping.....	34
Tools.....	34
Reset View.....	34
Reset Curve.....	34
Curve window.....	34
Vector Handle.....	35
Auto Handle.....	35
X / Y values.....	35
Auto Clamped Handle.....	35
Delete Points.....	35
Curve Presets.....	35
Brush Settings Panel - Brush Tip Sub panel.....	35
Brush Tip Checkbox.....	35
Cursor Color.....	35
Falloff Opacity.....	36
Override Overlay.....	36
Use Cursor Overlay.....	36
Texture Opacity.....	36
Override Overlay.....	36
Use Cursor Overlay.....	36
Mask Texture Opacity.....	36
Override Overlay.....	36
Use Cursor Overlay.....	36
Tiling panel.....	36

## Tool Tab

In View and Mask mode you don't have any further content in the Tool tab. But in Paint mode the tools tab contains several panels with functionality for the brushes. It is in big parts similar functionality to the paint tools in the 3D view.

The Brush panel shows different content, dependent of which brush is chosen in the tool shelf.



## Save Image

A short warning. A modified image does NOT save with the scene. You have to save out the image when you want to save the changes at the texture. There is no warning. So DON'T FORGET TO SAVE THE IMAGE.

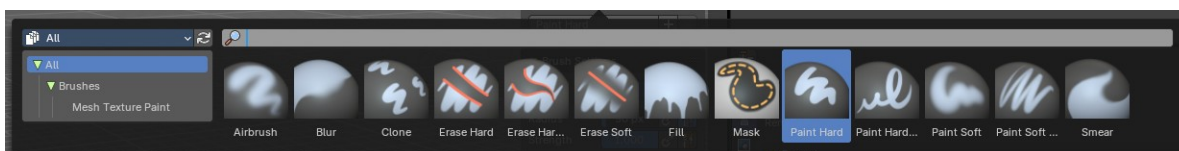
## Brush Asset Panel

The Brush Asset Panel contains the different Brushes and some Brush settings. Choose and adjust your current active brush.



## Browse Brush

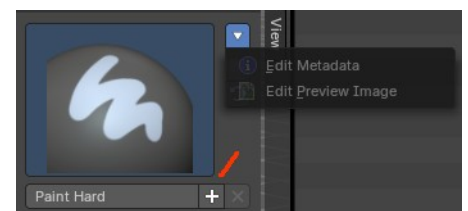
The big image at the top is a dropdown box that allows you to choose a brush. Click at it, and you will see the different brushes. A click at one of the images will choose this brush then.



Brushes are assets. You can load them from different libraries if you want.

## Brush Specials menu

This menu becomes active when you create a new brush. Which can be done with the Plus button in the name property. This data cannot be



changed for builtin system brushes.

## Edit Metadata

Calls a popup where you can adjust further informations and settings for the brush.

### **Catalog**

The asset catalog in which the brush is stored.

### **Author**

The brush author.

### **Description**

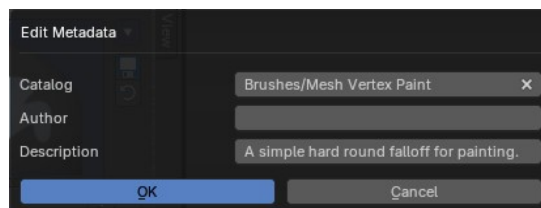
Add a description

### **OK / Cancel**

Accept or decline the changes.

### **Edit Preview Image**

Allows you to load a custom preview image.



## Save Brush Asset

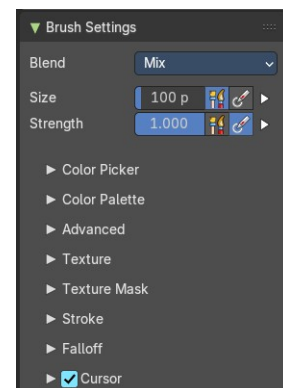
This button is just active with a custom brush. It saves all changes made at the brush settings into the current custom brush.

## Revert Brush Asset

Reverts the brush settings to the default values of the brush in the asset library.

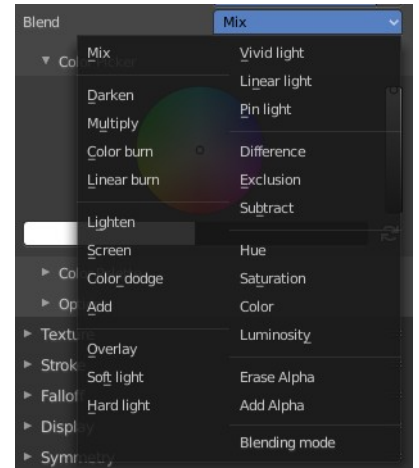
# Brush settings Panel

The Brush Panel contains the different paint brushes, a color dialog, and some brush settings.



## Blend

Define how the stroke will blend. You can choose between various blend modes.



## Size

The Radius edit box allows you to adjust the radius of the brush. The button behind the edit box enables tablet pressure sensitivity for radius.

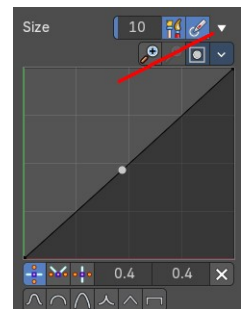
### Size Pressure

The first button behind the edit box enables tablet pressure sensitivity for radius.

### Pressure Size Curve

Behind the pressure size button there is a button to reveal the size pressure curve panel. When you activate Size Pressure for tablets, then the Size Pressure curve becomes active, and can be adjusted.

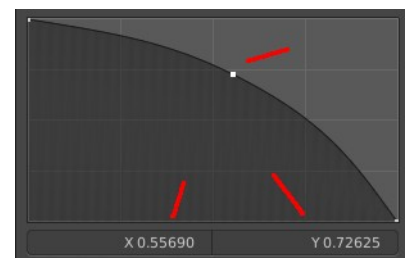
The pressure size curve allows you to adjust the falloff curve for the tablet pressure. It shows when Use Pressure is activated. The curve panel shows when clicking at the button.



### Selecting Points

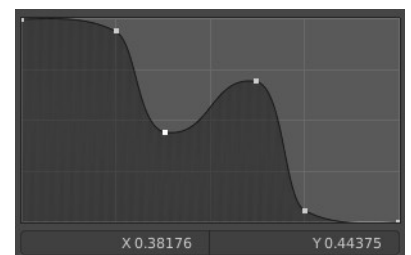
You can select curve points. This reveals two edit boxes for the x and y coordinate of this point.

Selected points can be moved around. Left click at them, hold the mouse button down and move them to a new location.



### Adding Points

You can add new curve points by simply left clicking at the curve. Move the mouse to position them where you need it.



## ***Navigation elements***

### **Zoom in**

Zooms in.

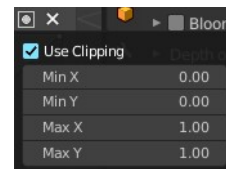


### **Zoom out**

Zooms out.

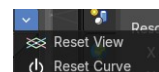
### **Clipping options**

Set up clipping for the stroke.



### **Tools**

Tools is a menu where you can find some curve related tools.



### ***Reset View***

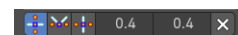
Resets the curve windows zoom.

### ***Reset Curve***

Resets the curve to the initial shape.

### **Handles**

You can choose between Auto handle, Vector Handle and Auto Clamped.



### **Position X / Y**

The position of the selected curve point.

### ***Delete Points***

Deletes the selected curve point.

### **Curve Presets**

A curve preset to start with.



### ***Use Unified Radius***

The second button behind the edit box enables global radius size. Any modification at the radius will also modify the radius value for other paint tools.

---

## **Strength**

The Strength edit box allows you to adjust the strength of the brush. The button behind the edit box enables tablet pressure sensitivity for strength.

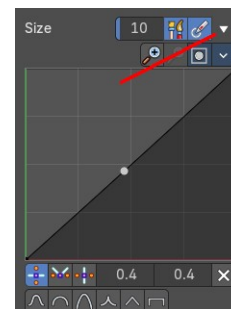
### ***Size Pressure***

The first button behind the edit box enables tablet pressure sensitivity for radius.

## Pressure Size Curve

Behind the pressure size button there is a button to reveal the size pressure curve panel. When you activate Size Pressure for tablets, then the Size Pressure curve becomes active, and can be adjusted.

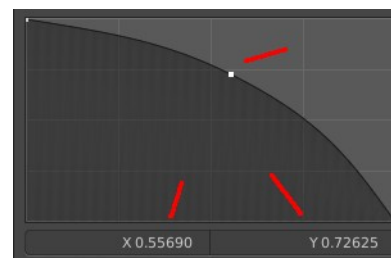
The pressure size curve allows you to adjust the falloff curve for the tablet pressure. It shows when Use Pressure is activated. The curve panel shows when clicking at the button.



## Selecting Points

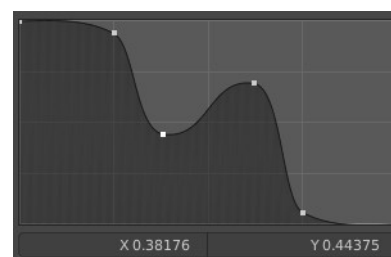
You can select curve points. This reveals two edit boxes for the x and y coordinate of this point.

Selected points can be moved around. Left click at them, hold the mouse button down and move them to a new location.



## Adding Points

You can add new curve points by simply left clicking at the curve. Move the mouse to position them where you need it.



## Navigation elements

### Zoom in

Zooms in.

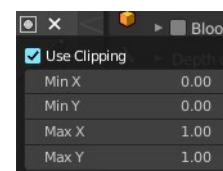
### Zoom out

Zooms out.



## Clipping options

Set up clipping for the stroke.



## Tools

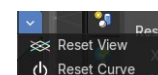
Tools is a menu where you can find some curve related tools.

### Reset View

Resets the curve windows zoom.

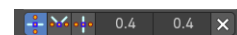
### Reset Curve

Resets the curve to the initial shape.



## Handles

You can choose between Auto handle, Vector Handle and Auto Clamped.



## Position X / Y

The position of the selected curve point.

## Delete Points

Deletes the selected curve point.

## Curve Presets

A curve preset to start with.



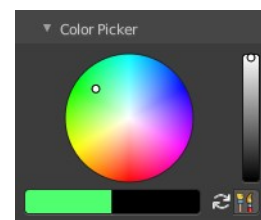
## Use Unified Radius

The second button behind the edit box enables global radius size. Any modification at the radius will also modify the radius value for other paint tools.

# Brush Settings Panel - Color Picker Sub panel

Define the color for your brush.

The active color is the left one. When you click the button with the two arrows down right then you can swap the color with the secondary color. Then this secondary color becomes the primary color, and is active.



A click at one of the color fields will open a more detailed color dialog, to set up the color by using rgb, hsv and hex colors and with value sliders.

## Brush colors flip

Flips the primary color with the secondary color.

## Use unified Color

Choose if you want to use global colors or local color just for vertex painting.



## Brush Settings Panel - Color Palette Sub panel

Create a color palette for later reuse.

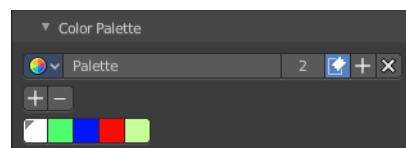
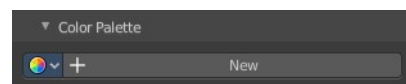
First create a new palette by clicking at New. Then adjust the color in the color picker. And then click at the add button to add this color to the palette.

To set the color picker to a palette color simply click at this palette color.

To remove a color from the palette, choose it, then click at the remove button. The active palette color that gets removed is the one with the triangle at it.

The color palette cannot be saved externally. It is part of the current blend file. You can however append color palettes from other blend files.

The elements are explained from left to right.

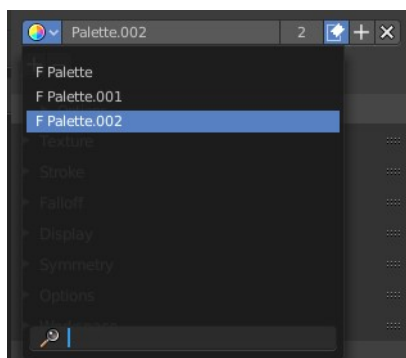


### Palette browser

The button at the left opens a drop down list where you can choose between your palettes.

### Edit Box

Read the name of the currently active palette. You can also rename the palette here. A click into the edit box makes the name editable.



### Number of users

See how many users the palette currently has.

### Fake User

Fake User sets the element to have a fake user. Zero user data-blocks are normally not saved. But sometimes you want to force the data to be kept even when the data block has no user.

### Add palette

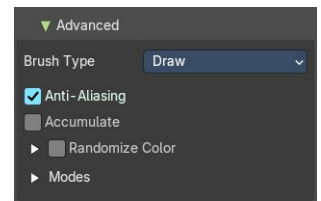
Add a new palette.

### Remove Palette

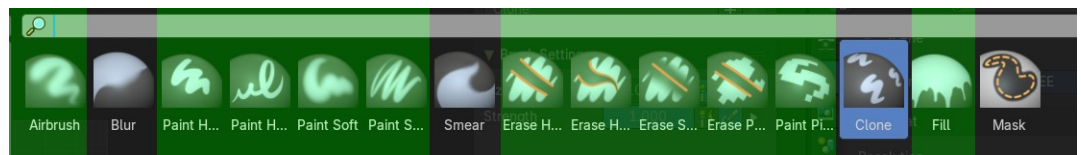
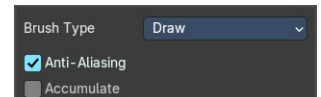
Clicking at this button removes the palette. Note that you need to save, close Bforartists and reload the blend file to remove the palette completely.

## Brush Settings Panel - Advanced Sub panel

This sub panel contains brush specific settings.



### Brush type Draw



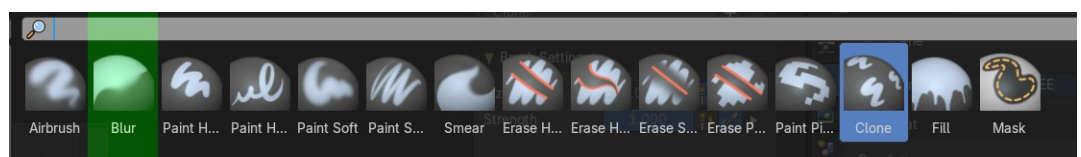
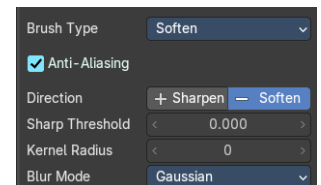
### Anti Aliasing

Smooths the edges of the strokes.

### Accumulate

Accumulate stroke daubs on top of each other.

### Brush type Soften



### Sharpen / Soften

#### *Sharp Threshold*

The threshold below which no sharpening is performed.

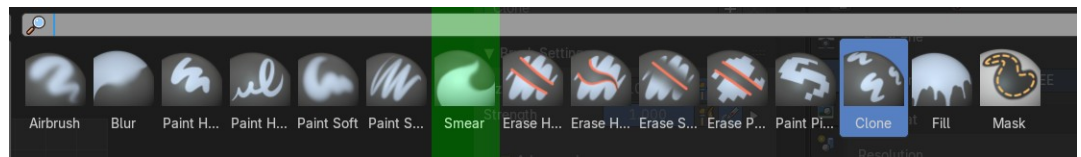
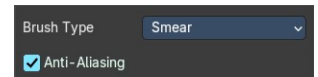
#### *Kernel Radius*

Radius of kernel used for soften and sharpen in pixels.

#### **Blur Mode**

Choose the blur method. Gaussian or Box.

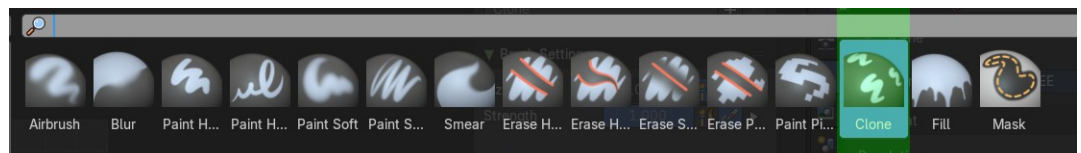
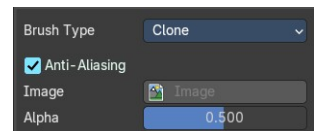
## Brush type Smear



## Anti Aliasing

Smooths the edges of the strokes.

## Brush type Clone



## Anti Aliasing

Smooths the edges of the strokes.

## Image

Choose an image to clone from.

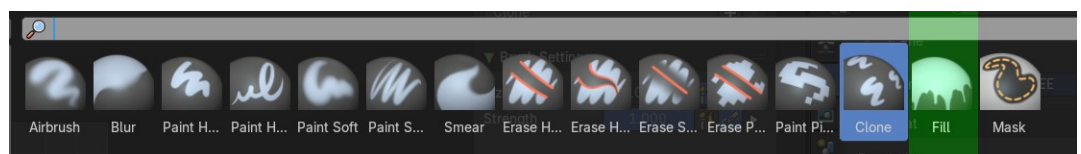
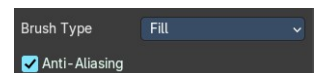
## Alpha

The alpha value for the clone image.

## Accumulate

Accumulate stroke daubs on top of each other.

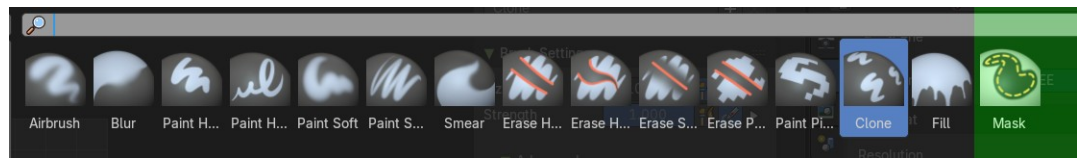
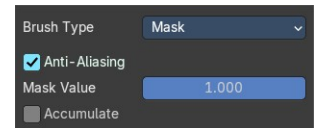
## Brush type Fill



## Anti Aliasing

Smooths the edges of the strokes.

## Brush type Mask



### Anti Aliasing

Smooths the edges of the strokes.

### Mask Value

The vertex weight when brush is applied.

### Accumulate

Accumulate stroke daubs on top of each other.

## Randomize Color subtab

Jitter the brush color.

### Hue

#### *Hue Jitter*

The amount to jitter the Hue value.

#### *Stroke Random*

Activate the Jitter.

#### *Use Pressure*

Use tablet pressure when drawing.

### Saturation

#### *Saturation Jitter*

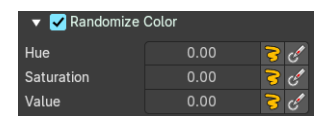
The amount to jitter the Saturation value.

#### *Stroke Random*

Activate the Jitter.

#### *Use Pressure*

Use tablet pressure when drawing.



## Value

### *Value Jitter*

The amount to jitter the Value value.

### *Stroke Random*

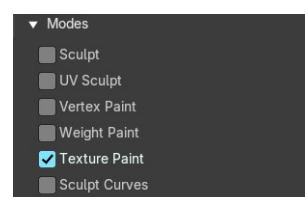
Activate the Jitter.

### *Use Pressure*

Use tablet pressure when drawing.

## Modes subpanel

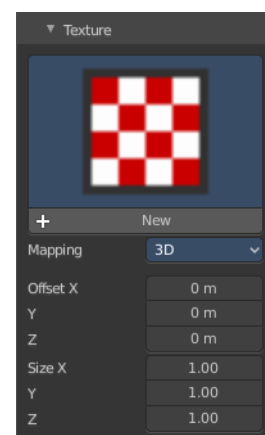
In which mode to use the brushes.



## Brush Settings Panel - Texture Sub panel

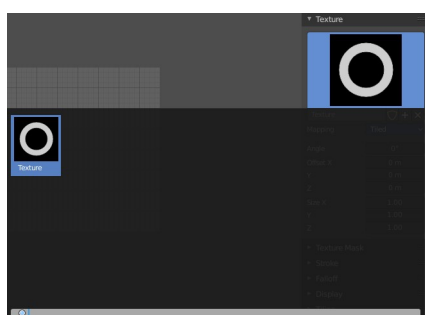
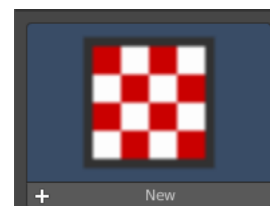
### Texture Panel

The Texture panel allows you to paint with textures. This allows you for example to grab a photo from some fish scales, and simply paint them onto the mesh by using this image as a pencil. Or as a blueprint where you walk through ( Stencil method ).



### Browse Texture to be linked

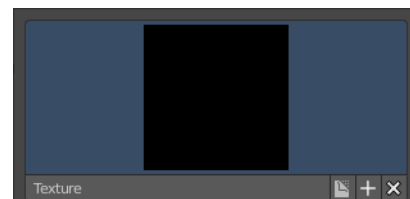
The image at the top of the panel is an image browser. Choose a texture that you can choose for painting then. You can also have more than one image loaded at once.



In this shot there is already a texture added. The way to add the texture here is a bit more complicated. And not done with clicking at the New button.

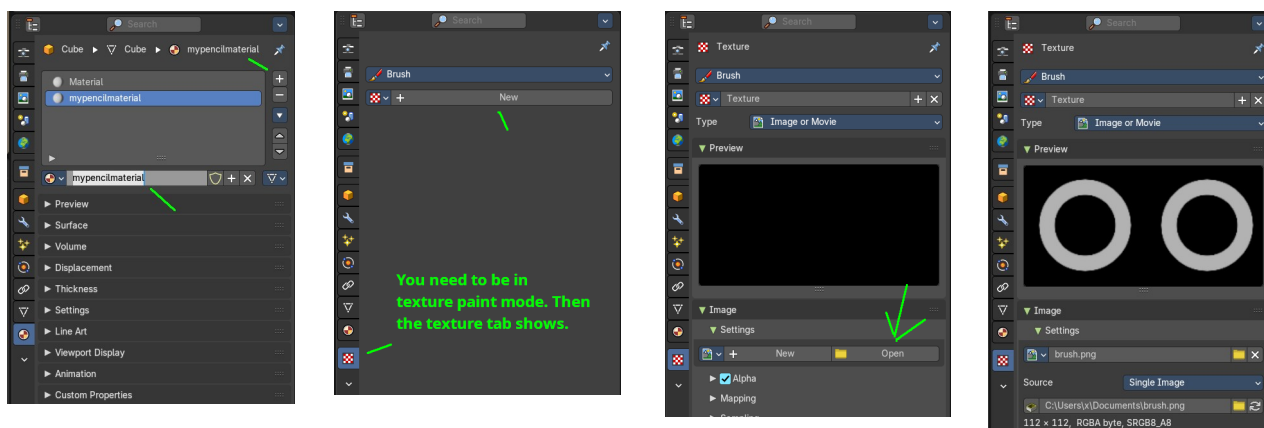
First click at the New button below the image. This will create a new texture slot. This slot is still empty, it displays black.

We need to load a texture in this slot. This must be done in the Properties editor in the Textures tab.

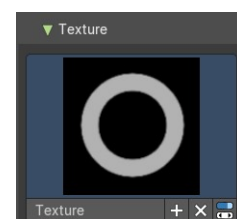


The problem is, we have most probably an object with a material and a texture already selected. And when we change this texture, then we don't get the pencil texture loaded. But we change the texture at our mesh.

What we need to do is to create a material first. And in this material we load our pencil texture then. And then this texture becomes available in the image browser of the Texture panel. Note that you need to be in texture paint mode to see the texture tab in the properties editor. It does not show in object mode.



And when we go back to the texture panel, then the texture should be loaded here. And we can work with this texture.



## Texture Edit box

The Texture edit box is the edit box below the Image browser. When there's no image loaded then it displays the New button. When there's an image (or more) loaded, then you will see the name of the current texture.

### ***New Texture***

Creates a duplicate of the current texture.

### ***Remove***

Removes the current texture.

## Show Texture in Texture tab

Reveals the current texture in the texture tab in the properties editor.

---

## Brush Mapping

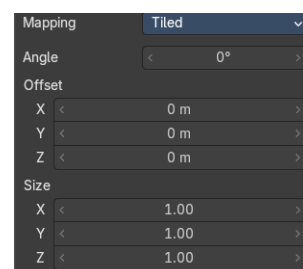
Our texture can be mapped in different methods. The Brush mapping is a drop down box where you can choose this different brush mapping methods.

The settings vary. So we will go through them by the different brush mapping methods.

---

### Brush Mapping with mapping method Tiled

The brush mapping method Tiled tiles the brush stroke at the surface. The mapping happens from the current view. The result may be distorted when the view does not align with the surface of the object.



### Angle

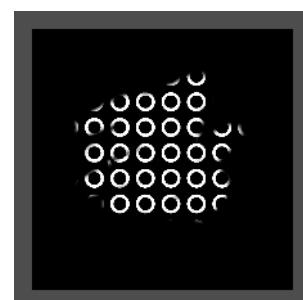
The angle of the brush.

### Offset

The offset of the texture in the brush.

### Size

The size of the texture in the brush.

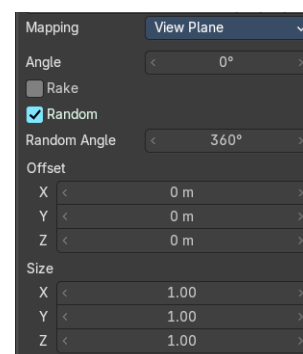


### Brush Mapping with mapping method View Plane

The brush mapping method View Plane simply paints onto the surface. The mapping happens from the current view. The result may be distorted when the view does not align with the surface of the object.

### Angle

The angle of the brush.



### **Rake**

The angle follows the direction of the brush stroke.

### **Random**

The brush angle gets set random.

### **Random Angle**

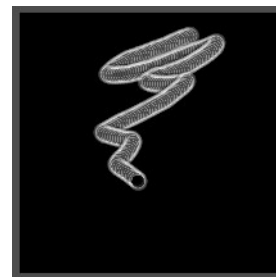
Brush texture random angle.

### **Offset**

The offset of the texture in the brush.

### **Size**

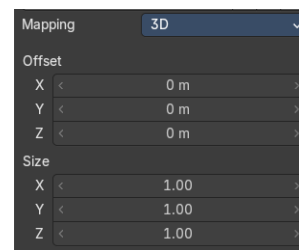
The size of the texture in the brush.



---

## **Brush Mapping with mapping method 3D**

The brush mapping method 3D paints the texture at the surface, by tiling it 1/1 at the object surface.



### **Offset**

The offset of the texture in the brush.

### **Size**

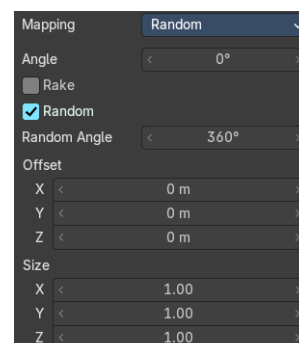
The size of the texture in the brush.



---

## **Brush Mapping with mapping method Random**

The brush mapping method Random paints onto the surface, and randomizes the texture position in the brush while that. The mapping happens from the current view. The result may be distorted when the view does not align with the surface of the object.



## **Angle**

The angle of the brush.

## **Rake**

The angle follows the direction of the brush stroke.

## **Random**

The brush angle gets set random.

## **Random Angle**

Brush texture random angle.



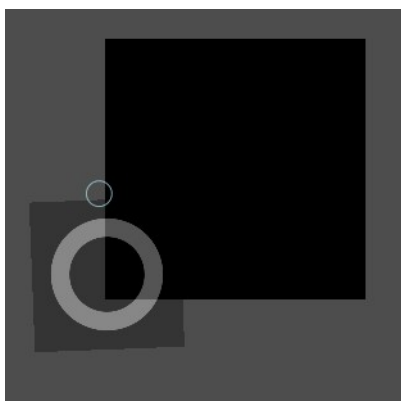
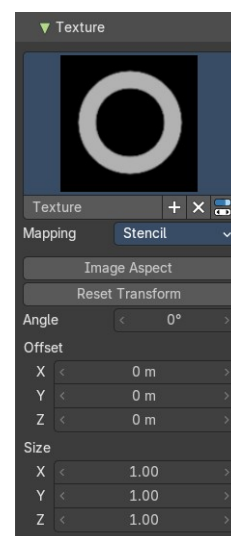
## **Brush Mapping with mapping method Stencil**

The former methods uses the textures for the brush. The method Stencil works different. You have your texture displayed in the workspace above the object, and you paint this texture onto your object with your pencil strokes.

Note that the texture in the 3d space is just visible when you are with the mouse over the viewport.

The stencil map gets by default displayed down left in the 3d view. You have to position it where you need it.

Hotkeys ctrl right mouse, shift right mouse and alt right mouse.



## **Image Aspect**

Adjust the stencil size to fit to the image aspect ratio.

## **Reset Transform**

Resets the stencil image to be down right in the 3D view.

### **Angle edit box**

Adjust the angle of the brush.

### **Offset**

Fine tune the offset of the texture in the brush.

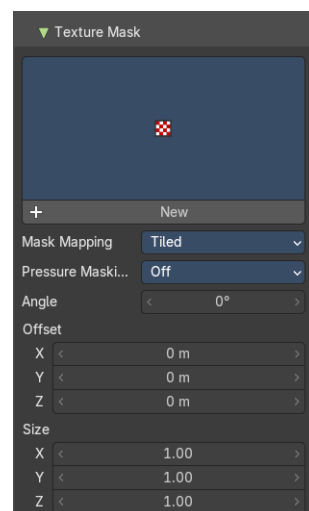
### **Size**

Fine tune the size of the texture in the brush.

## Brush Settings Panel - Texture Mask Sub panel

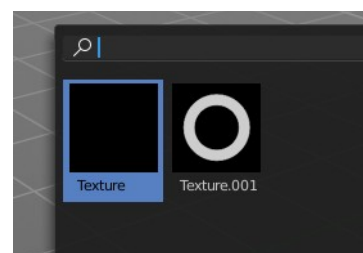
### **Texture Mask Panel**

The texture mask panel allows you to use a texture as a mask to define the strength of painting. It paints just where the mask texture is bright. You can also use gradients to define the paint strength.



### **Browse Texture to be linked**

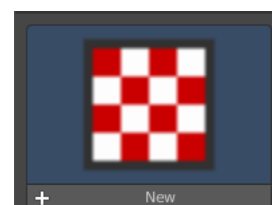
The image at the top of the panel is an image browser. Choose a texture that you can choose for painting then. You can also have more than one image loaded at once.



In this shot there is already two textures added. The way to add the texture here is a bit more complicated. And not done with clicking at the New button.

First click at the New button below the image. This will create a new texture slot. This slot is still empty, it displays black.

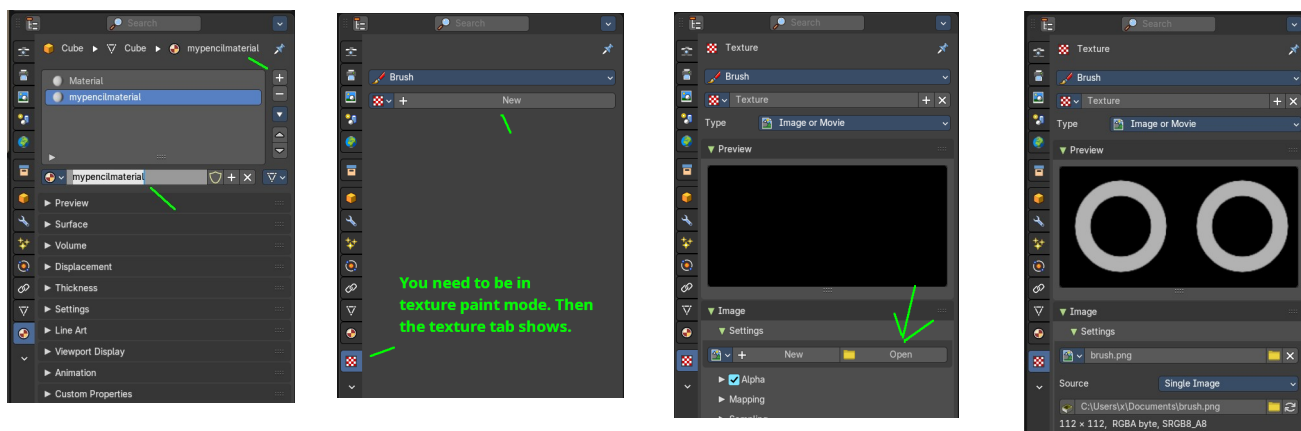
We need to load a texture in this slot. This must be done in the Properties editor in the Textures tab.



The problem is, we have an object with a material and a texture already selected. And when we change this texture, then we don't get the pencil texture loaded. But we change the texture at our mesh.

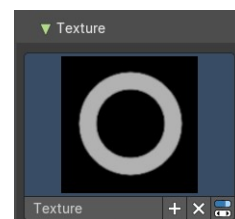
What we need to do is to create a material first. And in this material we load our pencil texture then. And then

we can choose this texture in the image browser of the texture.



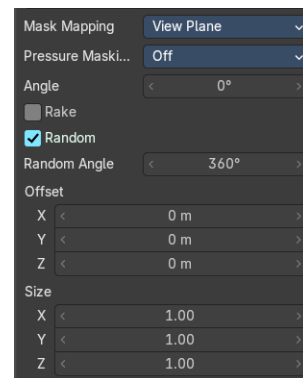
And when we switch back to the tools tab, then the texture is loaded. And we can work with this texture.

Make sure that you use another texture in the Texture panel than in the Texture Mask panel, or no texture at all. When both is the same then you will get the same result with all Mask Mapping methods since they overlap each other at the very same positions.



## Brush Mapping with mapping method View Plane

The brush mapping method View Plane simply paints onto the surface. The mapping happens from the current view. The result may be distorted when the view does not align with the surface of the object.



## Pressure Masking

Enable pressure masking when you use a tablet.

### Angle

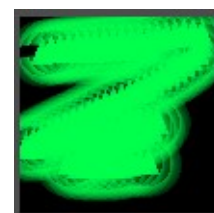
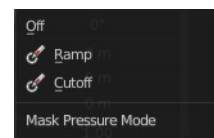
The angle of the brush.

### Rake

The angle follows the direction of the brush stroke.

### Random

The brush angle gets set random.



## Random Angle

Brush texture random angle.

## Offset

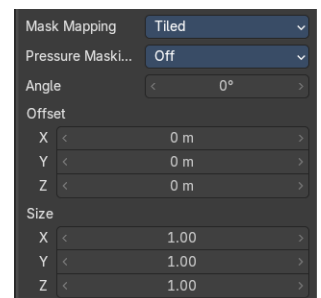
The offset of the texture in the brush.

## Size

The size of the texture in the brush.

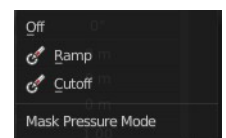
## Brush Mapping with mapping method Tiled

The brush mapping method Tiled tiles the brush stroke at the surface. The mapping happens from the current view. The result may be distorted when the view does not align with the surface of the object.



## Pressure Masking

Enable pressure masking when you use a tablet.



## Angle

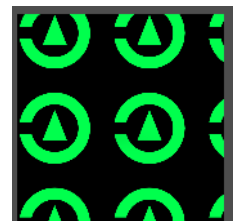
The angle of the brush.

## Offset

The offset of the texture in the brush.

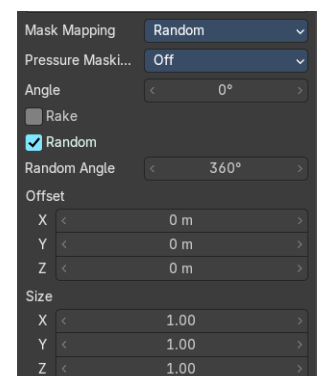
## Size

The size of the texture in the brush.



## Brush Mapping with mapping method Random

The brush mapping method Random paints onto the surface, and randomizes the texture position in the brush while that.



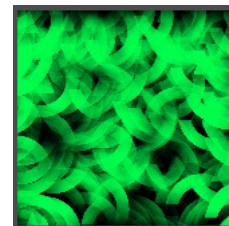
## Pressure Masking

Enable pressure masking when you use a tablet.



## Mask Pressure Mode

A drop down box to choose the mask pressure mode for tablets.



## Angle

The angle of the brush.

## Rake

The angle follows the direction of the brush stroke.

## Random

The brush angle gets set random.

## Random Angle

Brush texture random angle.

## Offset

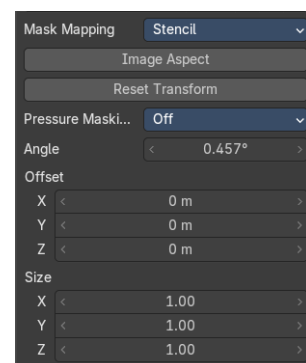
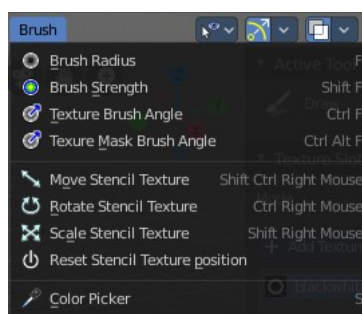
The offset of the texture in the brush.

## Size

The size of the texture in the brush.

## Brush Mapping with mapping method Stencil

The former methods uses the textures for the brush. The method Stencil works different. You have your texture displayed in the workspace above the image, and you paint this texture onto your object with your pencil strokes.



Note that the stencil texture is just visible when you are with the mouse over the viewport. It gets by default displayed down left. You have to position it where you need it. See Brush menu, Stencil Texture controls.

## Image Aspect

Adjust the stencil size to fit to the image aspect ratio.

## Reset Transform

Resets the stencil image to be down right in the 3D view.

## Pressure Masking

Enable pressure masking when you use a tablet.

### Angle edit box

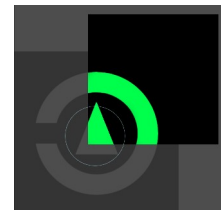
Adjust the angle of the brush. The button at the end allows you to set the radius by dragging the mouse. This should be done in the viewport and with the hotkey. This button is just a visible reminder.

### Offset

Fine tune the offset of the texture in the brush.

### Size

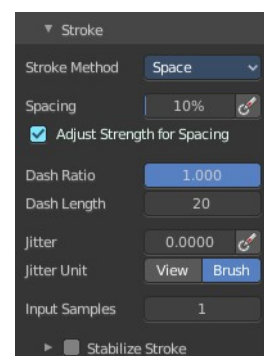
Fine tune the size of the texture in the brush.



## Stroke Panel

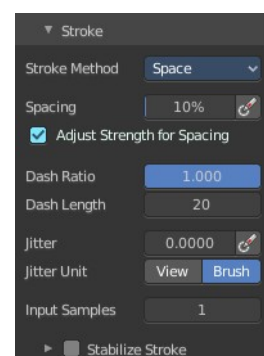
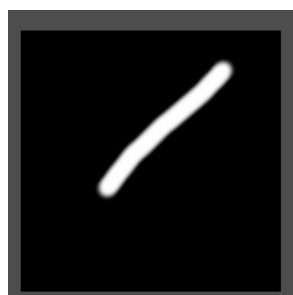
### Stroke Panel

The Stroke panel contains settings to influence the behavior of the brush stroke. There are various stroke methods available. We will go through them one by one.



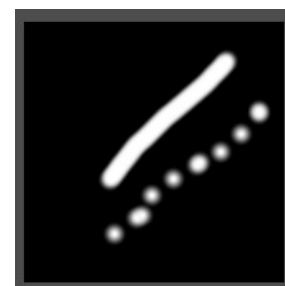
### Stroke method Space

This is the default Stroke method. The stroke gets added continuously with given settings.



### Spacing Edit Box

The sculpt drawing happens by mapping the pencil onto the mouse position. And when you move the mouse then the next mapping happens. Adjust the spacing after what mouse movement the next mapping should happen. The lower the value, the lower the distance between the single dots.



## ***Spacing Pressure***

The icon behind the edit box enables tablet pressure sensitivity for tablets.

## **Adjust Strength for Spacing**

Automatically adjust strength to give consistent results for different spacing.

## **Dash Ratio**

Ratio of samples in a cycle that the brush is covering.

## **Dash Length**

Length of a dash cycle measured in stroke samples.

## **Jitter Edit Box**

Add Jitter to the brush while painting.

## ***Spacing Pressure***

The icon behind the edit box enables tablet pressure sensitivity for tablets.

## ***Jitter Unit***

Jitter in screen space, or relative to the brush size.

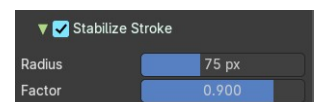
## ***Input Samples Edit Box***

Average multiple input samples together to smooth the brush stroke.

---

## ***Stabilize Stroke subpanel***

The brush lags behind the mouse position, and produces a much smoother stroke by that.



## ***Radius***

Adjust the radius of the smoothing.

## ***Factor***

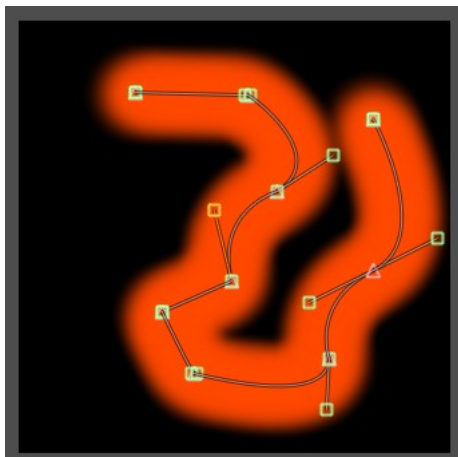
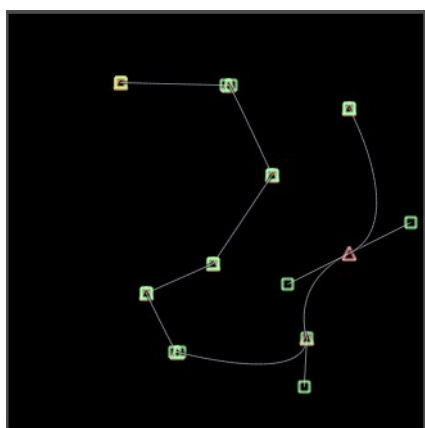
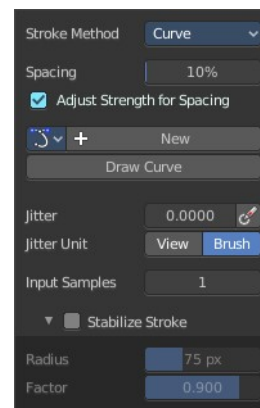
Adjust the factor of the smoothing.

## Stroke method Curve

The Stroke method curve doesn't simply influence the way how the stroke is painted. It is a special method.

First you draw a curve object by holding down ctrl and clicking with right mouse button. Then you tweak the curve. You can click at the curve point, and drag out handlers to make the curve points smooth. This way you get one handler. When you click and drag then you will get two handlers at the curve point.

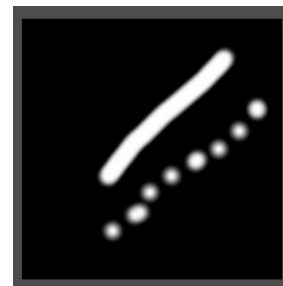
When done you hit the Draw Curve button or click left outside of the image. And the curve gets drawn onto the surface.



## Spacing Edit Box

The drawing happens by mapping the pencil onto the mouse position. And when you move the mouse then the next mapping happens. Adjust the spacing after what mouse movement the next mapping should happen. The lower the value, the lower the distance between the single dots.

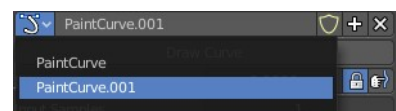
The icon behind the edit box enables tablet pressure sensitivity for tablets.



## Paint Curve edit box

Here you set the active curve.

**The first element** is a drop down box where you will find your curves objects. You can have more than one.



**The second element** is the edit box that displays the active curve.

**The number** right of it, **in this case 2**, indicates how much number of users ( internally ) this brush uses. This means that this data block (the brush) shares currently settings with at least one other object. Most probably the parent brush where we have created it from. Click at the value to make this brush a single user. The button will vanish then.

**F** set the brush to have a fake user. Zero user data-blocks are normally not saved. But sometimes you want to force the data to be kept even when the data block has no user.

**The + button** allows you to add a new pencil with the current settings. Note that the brushes are NOT saved when you close Bforartists. You can save them into the current blend file. Or you can save the startup file. But be careful here. This saves everything else of the current state of Bforartists too.

**The X button** deletes the brush as the active one. It does NOT delete it from the brushes list.

### ***Draw Curve Button***

A click at it to turns the curve into curve.

### ***Jitter Edit Box***

Add Jitter to the brush while painting.

### ***Jitter Pressure***

The icon behind the edit box enables tablet pressure sensitivity for tablets.

### ***Jitter Unit***

Jitter in screen space, or relative to the brush size.

### ***Input Samples Edit Box***

Average multiple input samples together to smooth the brush stroke.

### ***Stabilize Stroke subpanel***

The brush lags behind the mouse position, and produces a much smoother stroke by that.



### ***Radius***

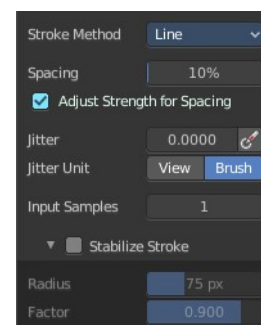
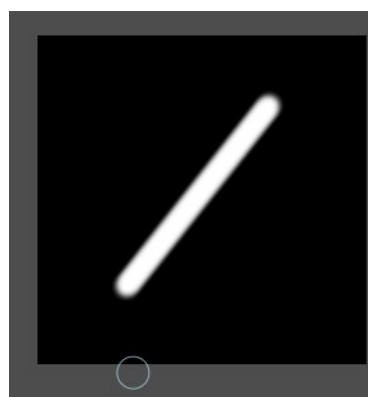
Adjust the radius of the smoothing.

### ***Factor***

Adjust the factor of the smoothing.

## **Stroke method Line**

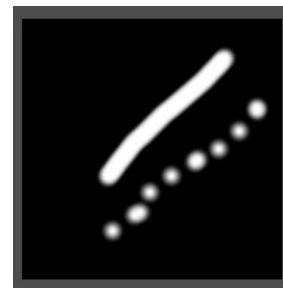
With Stroke method line you draw a line between a starting point and an endpoint. And when you release the mouse then the line gets drawn.



## Spacing Edit Box

The drawing happens by mapping the pencil onto the mouse position. And when you move the mouse then the next mapping happens. Adjust the spacing after what mouse movement the next mapping should happen. The lower the value, the lower the distance between the single dots.

The icon behind the edit box enables tablet pressure sensitivity for tablets.



## Jitter Edit Box

Add Jitter to the brush while painting.

### *Jitter Pressure*

The icon behind the edit box enables tablet pressure sensitivity for tablets.

### *Jitter Unit*

Jitter in screen space, or relative to the brush size.

## Input Samples Edit Box

Average multiple input samples together to smooth the brush stroke.

### *Stabilize Stroke subpanel*

The brush lags behind the mouse position, and produces a much smoother stroke by that.



### *Radius*

Adjust the radius of the smoothing.

### *Factor*

Adjust the factor of the smoothing.

## Stroke method Anchored

Click and drag to place a dot and to scale it.

### *Edge to edge*

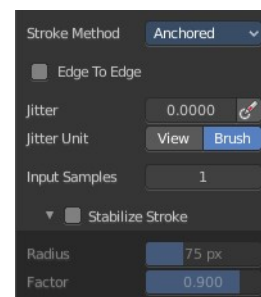
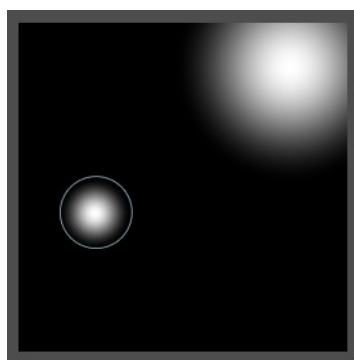
Drag Anchor Brush from edge to edge.

## Jitter Edit Box

Add Jitter to the brush while painting.

### *Jitter Pressure*

The icon behind the edit box enables tablet pressure sensitivity for tablets.



## ***Jitter Unit***

Jitter in screen space, or relative to the brush size.

## ***Input Sample Edit Box***

Average multiple input samples together to smooth the brush stroke.

## ***Stabilize Stroke subpanel***

The brush lags behind the mouse position, and produces a much smoother stroke by that.



## ***Radius***

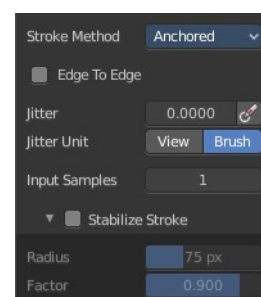
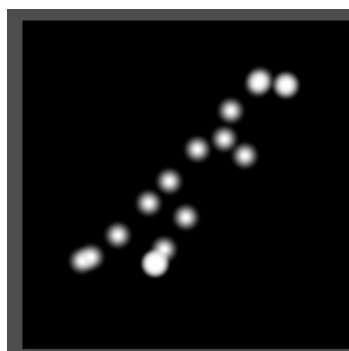
Adjust the radius of the smoothing.

## ***Factor***

Adjust the factor of the smoothing.

## **Stroke method Airbrush**

The stroke acts like an airbrush pencil. The dots gets placed randomly.



## **Rate Edit Box**

Define the rate of the drawing.

## **Jitter Edit Box**

Add Jitter to the brush while painting.

## ***Jitter Pressure***

The icon behind the edit box enables tablet pressure sensitivity for tablets.

## ***Jitter Unit***

Jitter in screen space, or relative to the brush size.

## **Input Samples Edit Box**

Average multiple input samples together to smooth the brush stroke.

## ***Stabilize Stroke subpanel***

The brush lags behind the mouse position, and produces a much smoother stroke by that.



## **Radius**

Adjust the radius of the smoothing.

## **Factor**

Adjust the factor of the smoothing.

---

## **Stroke method Drag Dot**

Paint a dot and drag it around. The actual painting happens then at releasing the mouse.

## **Jitter Edit Box**

Add Jitter to the brush while painting.

## **Jitter Pressure**

The icon behind the edit box enables tablet pressure sensitivity for tablets.

## **Jitter Unit**

Jitter in screen space, or relative to the brush size.

## **Input Samples Edit Box**

Average multiple input samples together to smooth the brush stroke.

## **Stabilize Stroke subpanel**

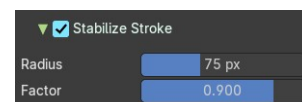
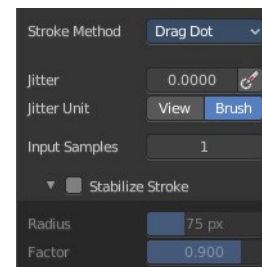
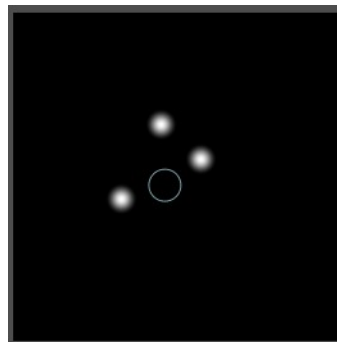
The brush lags behind the mouse position, and produces a much smoother stroke by that.

## **Radius**

Adjust the radius of the smoothing.

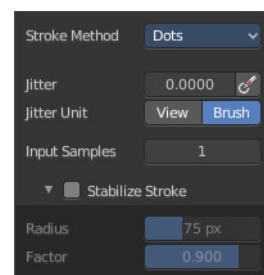
## **Factor**

Adjust the factor of the smoothing.



## Stroke method Dots

The stroke method Dots draws dots of the pencil onto the surface. The mapping happens from the current view. Means you will get distortions when your view is not aligned with the surface of the object.



## Jitter Edit Box

Add Jitter to the brush while painting.

## Jitter Pressure

The icon behind the edit box enables tablet pressure sensitivity for tablets.

## Jitter Unit

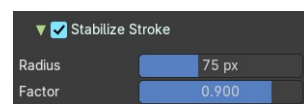
Jitter in screen space, or relative to the brush size.

## Input Samples Edit Box

Average multiple input samples together to smooth the brush stroke.

## Stabilize Stroke subpanel

The brush lags behind the mouse position, and produces a much smoother stroke by that.



## Radius

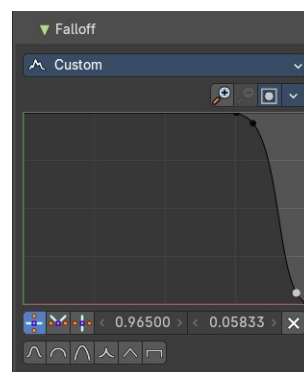
Adjust the radius of the smoothing.

## Factor

Adjust the factor of the smoothing.

# Brush Settings Panel - Falloff Sub panel

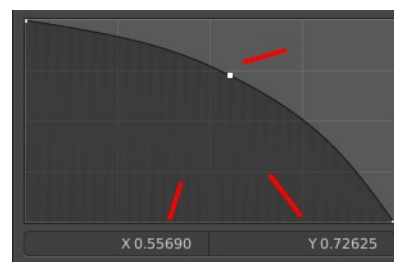
The curve panel allows you to define different falloffs methods for the border of the brush.



## Selecting Points

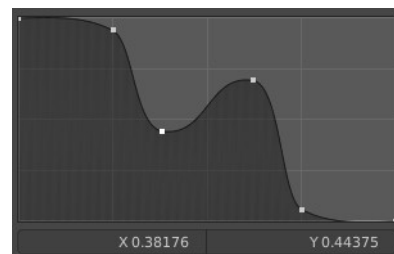
You can select curve points. This reveals two edit boxes for the x and y coordinate of this point.

Selected points can be moved around. Left click at them, hold the mouse button down and move them to a new location.



## Adding Points

You can add new curve points by simply left clicking at the curve. Move the mouse to position them where you need it.



## Navigation elements

The navigation elements at the top are described from left to right.

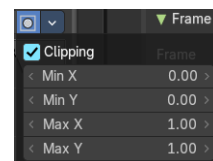


## Zoom in and out

The two buttons with the magnifying glass at it zooms in and out in the curve window.

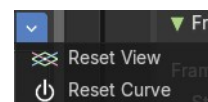
## Use Clipping

Clipping options. Set up clipping for the stroke.



## Tools

Tools is a menu where you can find some curve related tools.



### ***Reset View***

Resets the curve windows zoom.

### ***Reset Curve***

Resets the curve to the initial shape.

## Curve window

Tweak and adjust the falloff curve by clicking at a curve point and dragging it around.

Double click adds a new point.

Holding down ctrl activates temporary snapping.

Holding down shift enables slower movement, which allows more accurate setting.

---

## Vector Handle

Set handle type to Vector.

## Auto Handle

Set handle type to Auto.

## X / Y values

The position of the currently selected curve point.

## Auto Clamped Handle

Set handle type to Auto Clamped.

## Delete Points

Deletes selected curve points.

---

## Curve Presets

Predefined curve presets.

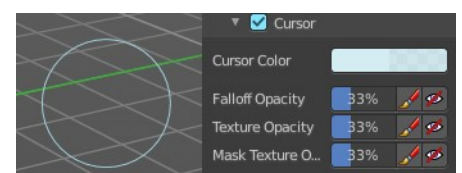


# Brush Settings Panel - Brush Tip Sub panel

Adjust the color and appearance of the brush cursor to custom values.

## Brush Tip Checkbox

Activate the custom settings.



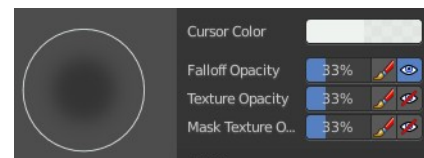
## Cursor Color

Choose another color for the brush cursor. Double clicking at the color field will open a color picker.



## Falloff Opacity

You can turn on the cursor overlay with the eye button at the end. The falloff opacity slider allows you to adjust the opacity of this cursor overlay.



## Override Overlay

Hide the Cursor Overlay when painting.

## Use Cursor Overlay

Turn on Cursor Overlay.

---

## Texture Opacity

This is for the case when you paint with a texture brush. You can turn on the Texture overlay with the eye button at the end. The falloff opacity slider allows you to adjust the opacity of this cursor overlay.

## Override Overlay

Hide the Texture Overlay when painting.

## Use Cursor Overlay

Turn on Texture Overlay.

---

## Mask Texture Opacity

This is for the case when you mask paint with a texture brush. You can turn on the Texture overlay with the eye button at the end. The falloff opacity slider allows you to adjust the opacity of this cursor overlay.

## Override Overlay

Hide the Texture Overlay when painting.

## Use Cursor Overlay

Turn on Texture Overlay.

---

## Tiling panel

Tiling allows you to draw over the borders and continue the stroke at the other side of the image. You can tile in X and Y direction.

