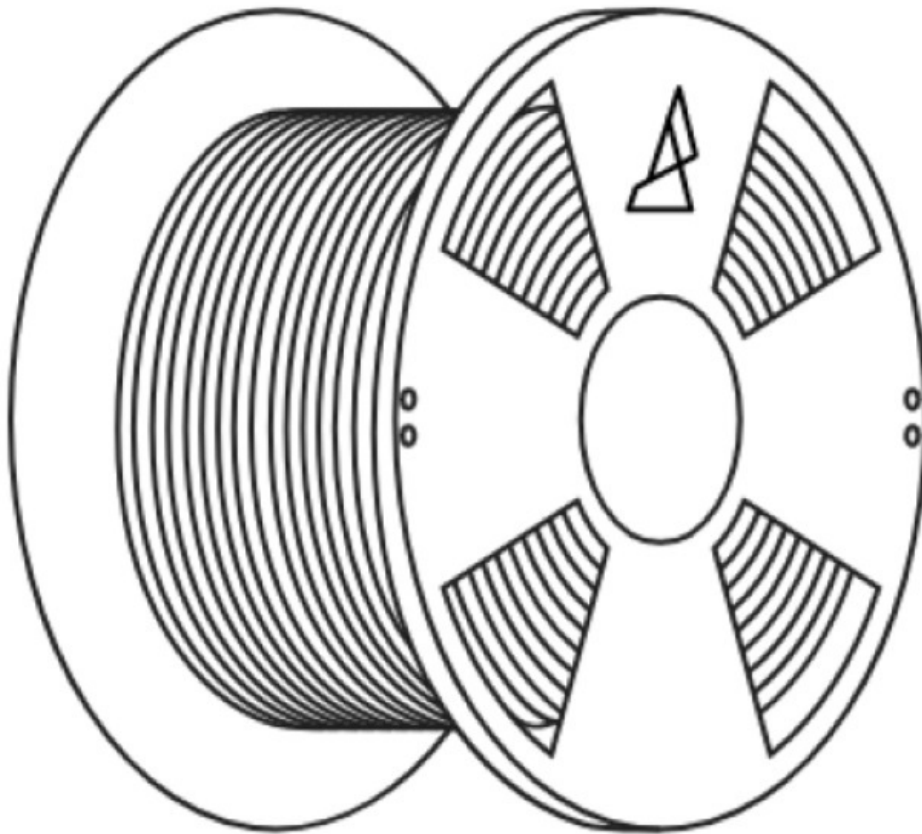




Managing Materials and Profiles

How to create and edit material profiles in Canvas, for Mosaic and third-party materials.

Written By: Mosaic Support



INTRODUCTION

In this guide you will learn:

- How to create and edit material profiles in Canvas for Element printing
- How to use material profiles in projects
- How to view filament amounts used on a connected Element printer

Please see this guide on [how to install material pods](#).

Step 1 — Create a New Material Profile

Edit ABS

Cancel

Save material

General

Style overrides

Sequences

Colors

Automation

Material profiles are global. Changes will be applied across all projects that use this material profile.

Style overrides allow a specified print setting to be used when a material is selected. [Learn more](#)

+ Add new override

Extrusion multiplier	97	%	×	Retraction distance	0.5	mm	×
Retraction speed	40	mm/s	×	Print temperature	275	°C	×
First layer temperature	275	°C	×	Bed temperature	100	°C	×
Cooling fan	☒ Use cooling fan		×	General fan speed	25	%	×
Perimeter fan speed	35	%	×				

Edit ABS

Cancel

Save material

General

Style overrides

Sequences

Colors

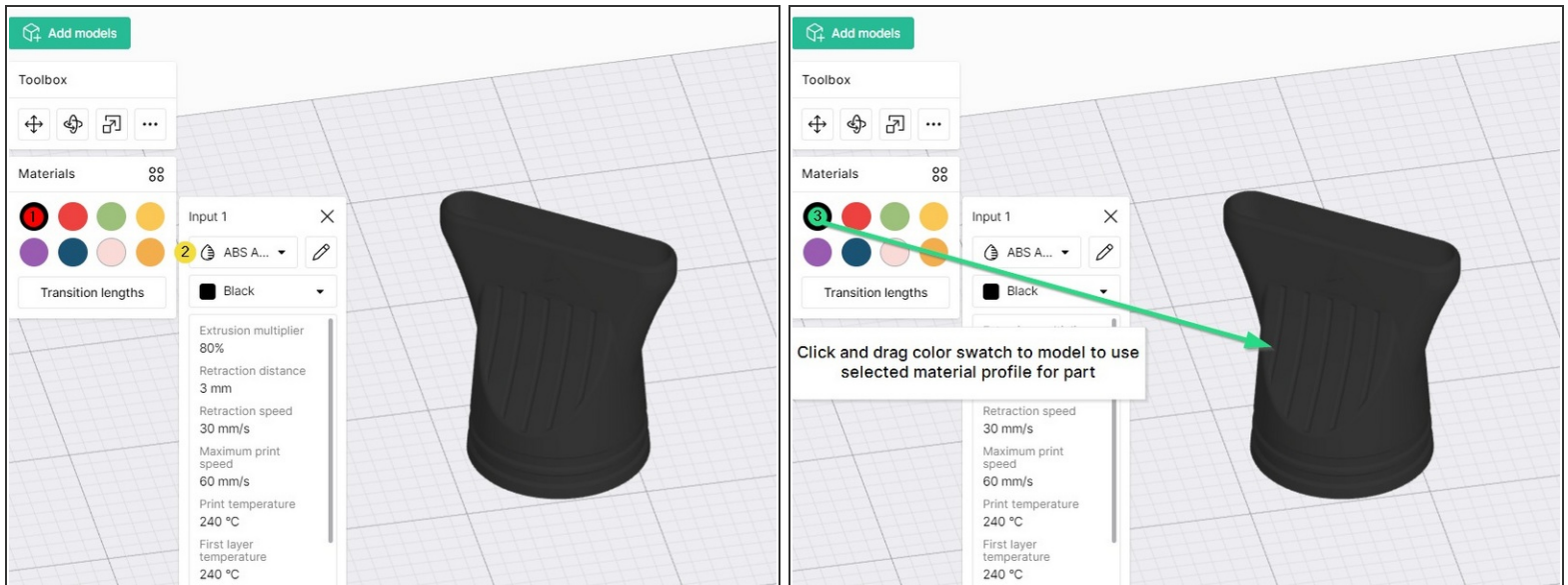
Automation

Color profiles allow you to create reusable configurations for this material, which can be easily applied in projects that use this material. Select a color profile below to configure it.

+ Add color profile

- Go to *canvas3d.io > Materials* on left menu. Click *"New Material."*
- Select *Mosaic materials*, to use material profile presets.
- Select *third-party materials*, to create a custom material profile.
- **Style overrides** are slicer settings that are used only when that material is selected within a project.
 - ① You may change temperature, speed and some extrusion settings for each material profile.
- **Colors** can also be added to a material profile, so they can be selected when working with a project.

Step 2 — Using Material Profiles in Projects



- Please see here for full [Element Slicing](#) instructions.
 - To select a material profile for printing, create a new project or open an existing one.
 - Under Materials, select one of the color swatches.
 - From the dropdown menu, select the material profile and color.
 - To ensure that this material is being used for a model, click and drag the color swatch over the model or the file name in the Objects window on the right.
- ⚠ **Important:** Please ensure that the same **material and color** selected in the project is also loaded onto Element using Material Pods, to ensure that the print initiates correctly.

Step 3 — Viewing Mosaic Materials on Element

My Devices > Mock Element

Status and controls

Ready

Select a file to start printing

Controls

Temperature

Materials

Terminal

Camera

MP1 ● PLA	84%	MP2 N/A	MP3 ● PLA	73%	MP4 N/A
MP5 N/A		MP6 N/A	MP7 N/A		MP8 N/A

- ★

Please follow these instructions to [link Element to Canvas](#), in order to view, monitor and control Element.
- Open the Element device view by going to Devices, and double click the connected Element printer. The materials panel will provide information on where material pods are installed.
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Learn more about the [device view](#) and Element controls.

If you have any additional questions, please send us a message at support@mosaicmfg.com