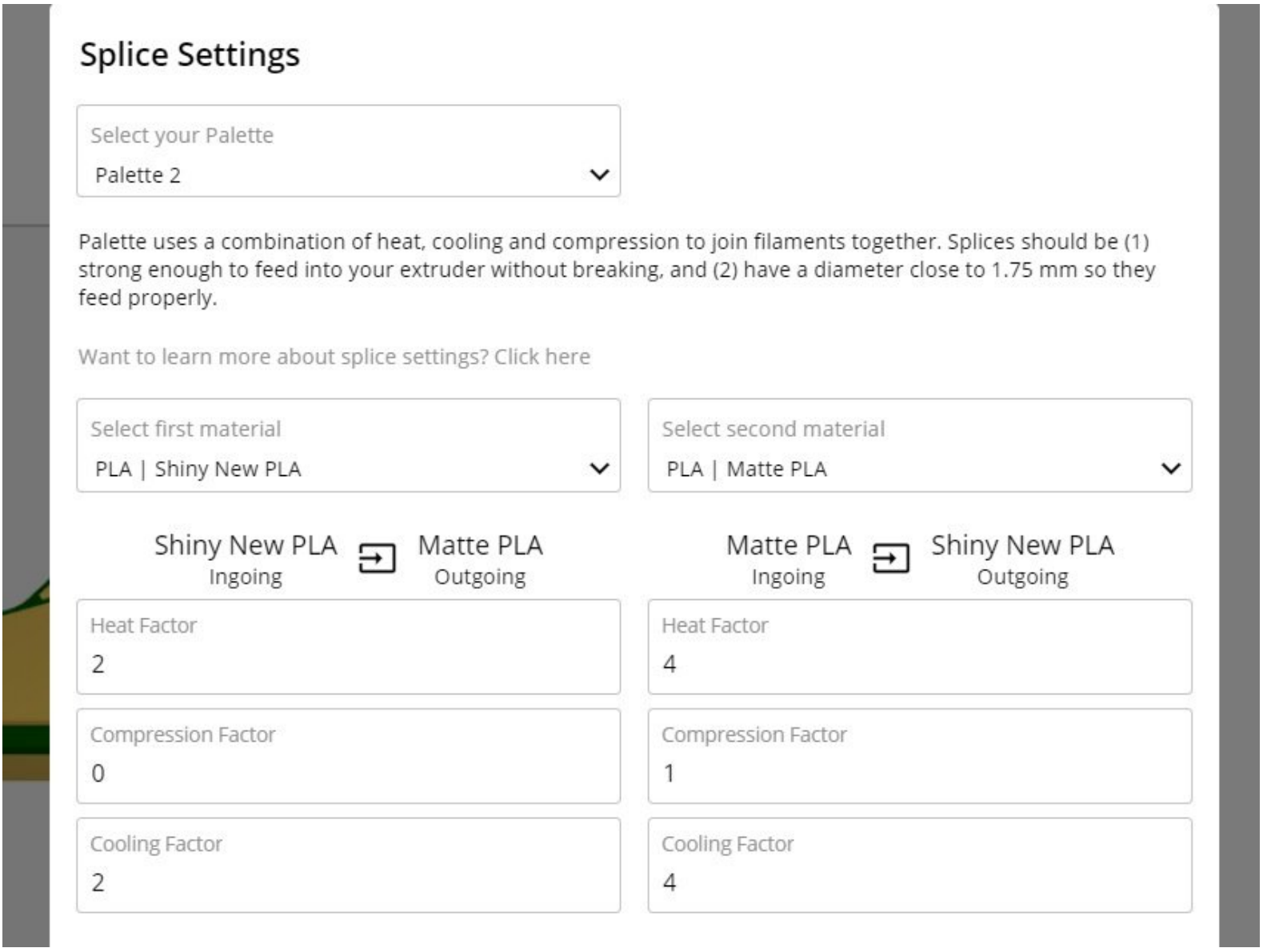
How to Add Splice Tuning Values to Materials

This article focuses on how to enter values into CANVAS after Splice Tuning has been done.

Written By: Mosaic Support



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INTRODUCTION

Once you have finished splice tuning to determine what settings to use between two different types of filament, please follow the instructions below to ensure that these settings are used during your print.

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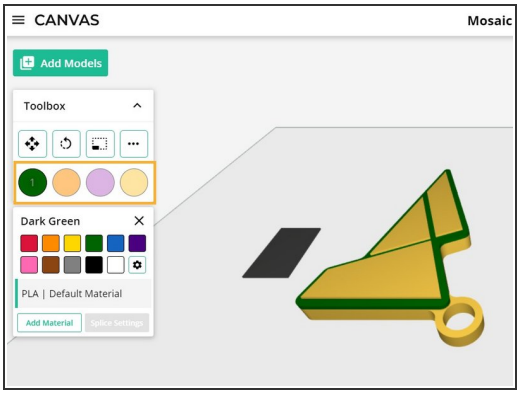
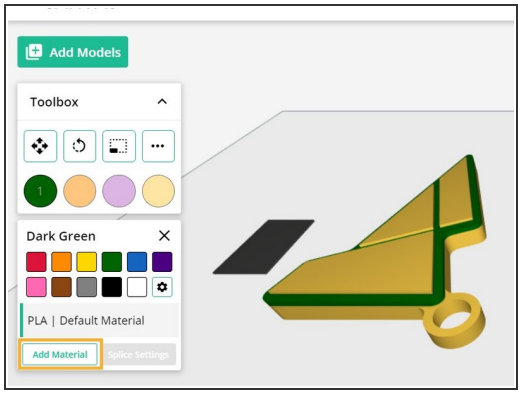
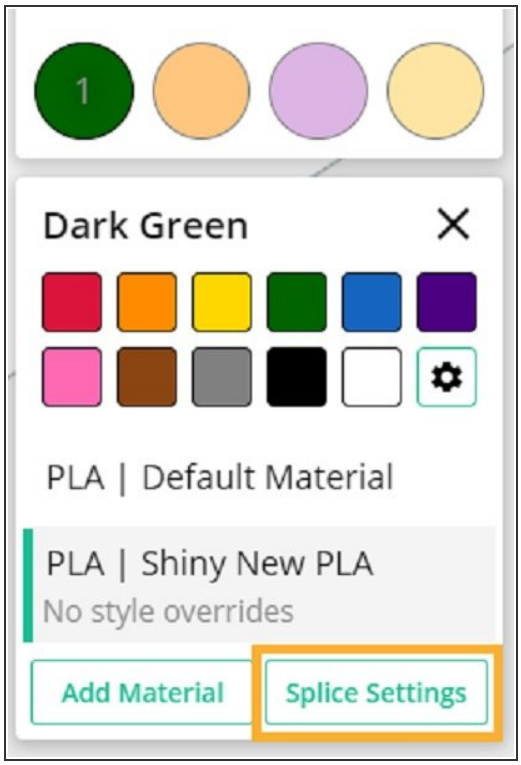
Step 1 — CANVAS Menu

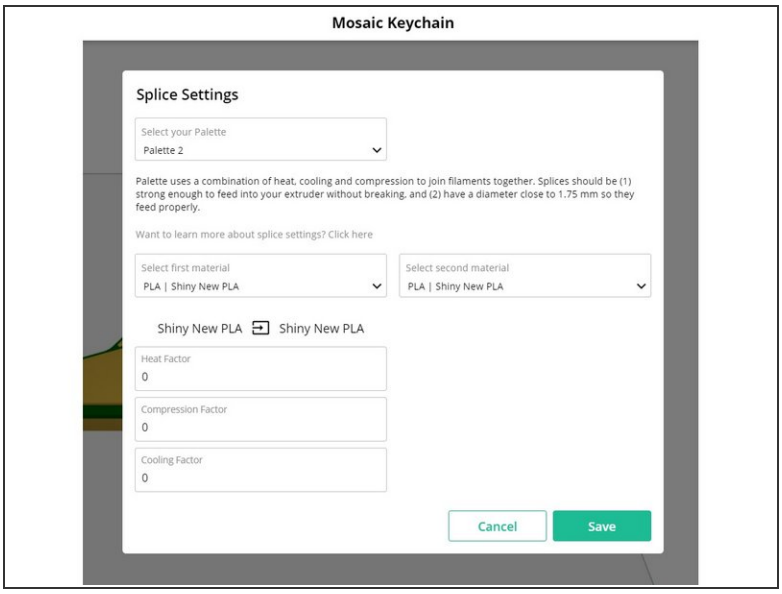


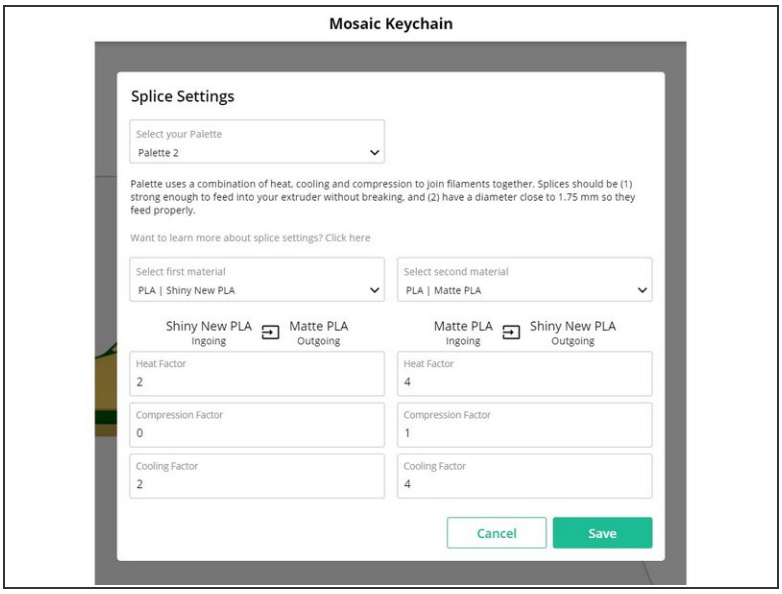




- To use the Heat, Compression, and Cooling Factors found during splice tuning, open your project and click on a color swatch.
  - On the left menu, select a color to open the options window. Ensure that you have created material profiles for your filaments by selecting **Add New Material.**
  - Once your materials are created, select **Splice Settings**. You'll be able to select your materials and enter the Splice Tuning values in the following window.

Step 2 — Splice Settings





- If the First and Second Material are the same (ex. PLA - PLA), the Heat, Compression, and Cooling factors will be the same regardless of which material is fed into Palette first. Only one set of values will be needed.
- If the First and Second Material are different materials (ex. PLA - TPU), the Heat, Compression, and Cooling factors would differ depending on which material is the “pushed” (ingoing) filament versus the “standstill” (outgoing) filament. Because of this difference, the user will need to set values for both situations individually.
- When setting the Heat, Compression, and Cooling values, keep in mind that the ‘outgoing’ filament is being heated at a standstill while the ‘ingoing’ filament is being pushed into the molten filament, compressed, and cooled to create a splice. Once one combination has been tested, swap the filaments in drives 1 and 2 for the second scenario.
- Once your Splice Settings are set, select **Save** to have these settings applied to your project and future splices.

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