



Customer Information Bulletin

CIB

CIB #: 00056
Date: Nov 2017
Status: Non-confidential

**Subject: DuraForm FR1200 material installation guide
on SLS sPro60 HD-HS platform**

Introduction:

This update installs new **V5.1.0** material configuration files for **DuraForm FR1200** material. It is an update over **V5.1.18** Windows 7 release and **V5.1.1** DuraFormFlex material update for **SLS sPro60 HD-HS** platform.

This CIB list steps to follow for successful installation of the new material **DuraForm® FR1200** (FR PA12 material). It supports two modes: **SP** and **Advanced**.

SP mode controls the bounds of the system to ensure customer gets the performance they desire and removes some of the variability that could occur in the standard print process. However some expert users desire an '**Advanced**' mode that would allow them to customize the performance of the system. These Advanced material configuration files address that need by increasing the allowed ranges for many parameter values.

CAUTION: It is the customers/users responsibility to validate results (such as part quality or mechanical properties) at the parameter values they use in '**Advanced**' mode. Note that 3DSystem's Field Service may require use of **SP Mode** material configuration files during troubleshooting.

Installation Steps:

Download Steps:

- Download **SPro60_V5.1.0_DuraFormFR1200.zip** from Team Platform:
<https://3dsystems.teamplatform.com/pages/171024?t=ytpvhn1qdsed>
Password: **NewFRMaterialV5.1.0**

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account representative

- Copy the downloaded zip file to the drive where you have Sinter Deployer already installed (**C** or **D** drive).
- Extract the zip. If you have Sinter installed in "C:\dtm" then extract to **C:**. Extracted path would be: "C:\SPro60_V5.1.0_DuraFormFR1200"
- After extraction is complete, verify **SPro60_V5.1.0_DuraFormFR1200** directory contains the following:
 - **dtm** directory
 - **InstallNewMaterialsPro60.bat**

May be distributed

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Steps to install the update:

- If **BuildSetup** is running, save current build packet (if needed) and close **BuildSetup**.
- In case you are on the printer PC and build is **not** in-progress, then run **KillSinter.exe** to close **Sinter** and related applications.
- Run **InstallNewMaterialsPro60.bat**. You may see a security warning, please continue to run the batch file. On successful launch, you would see below window:

```
C:\Windows\system32\cmd.exe

Script to INSTALL U5.1.0 DuraForm FR1200 material on SLS sPro60 HD-HS
Press any key to continue . . .
```

- Follow the steps listed in window displayed (Command Prompt).
- On successful installation, total **4 files** will be deployed :
 - 2 new material configuration files.
 - 1 new material guides.
 - 1 “Tips and Info” CIBs.

```
C:\Windows\system32\cmd.exe

C:\sPro60_U5.1.0_DuraFormFR1200\dtm\config\material\sPro60HD-HS_12m_DuraFormFR_1200.cfg
C:\sPro60_U5.1.0_DuraFormFR1200\dtm\config\material\sPro60HD-HS_12m_DuraFormFR_1200_advanced.cfg
C:\sPro60_U5.1.0_DuraFormFR1200\dtm\docs\DuraForm FR1200 Customer Information Bulletin.pdf
C:\sPro60_U5.1.0_DuraFormFR1200\dtm\docs\material\DuraForm_FR1200_Material_Guide.pdf
4 File(s) copied
Press any key to continue . . .
```

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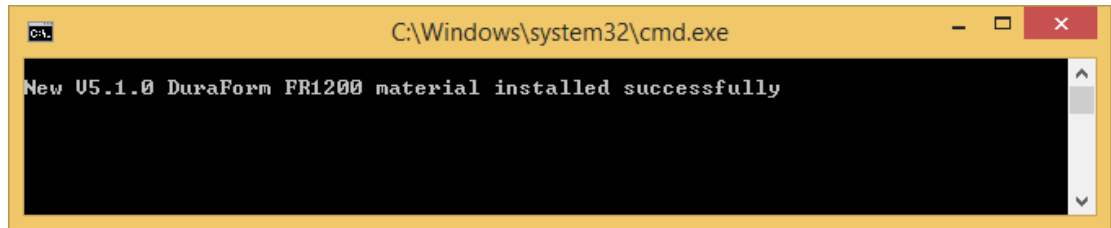
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- At the end, you should see below screen if successful:



```
C:\Windows\system32\cmd.exe  
New V5.1.0 DuraForm FR1200 material installed successfully
```

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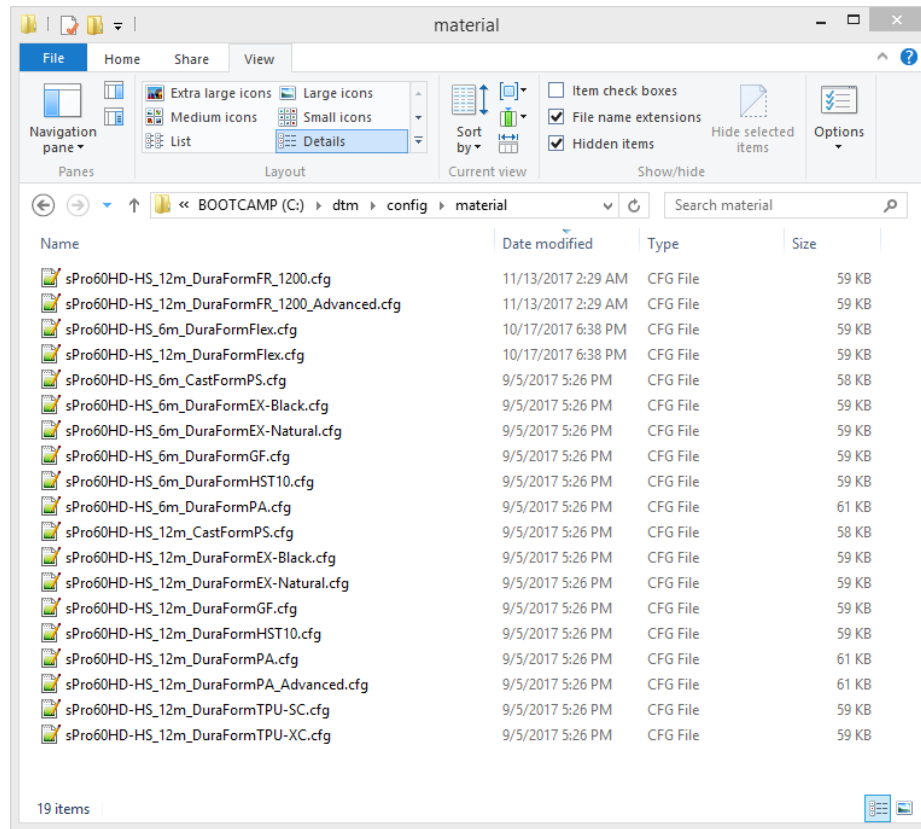


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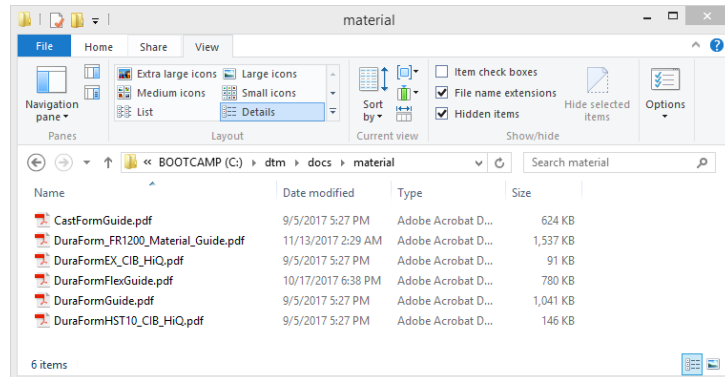
Verify if the update installed successfully:

- Verify if the files are copied in the right locations as shown in below screenshots.
 1. Material Configuration files under *dtm\config\material*:



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2. Material Guides under *dtm\docs\material* :





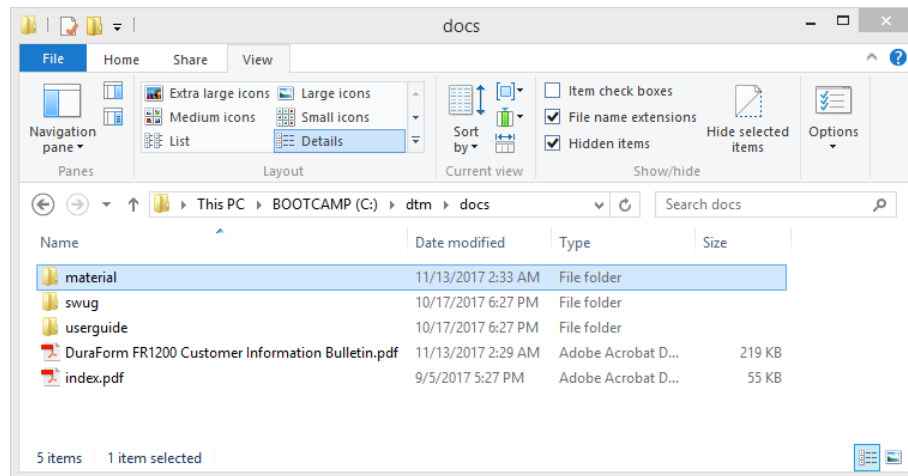
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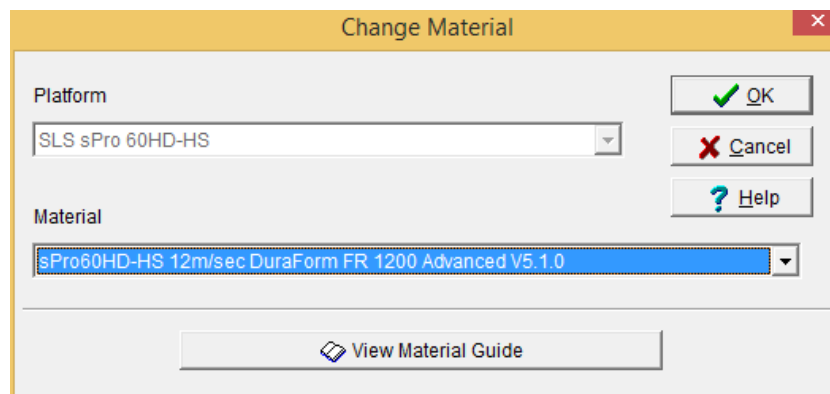
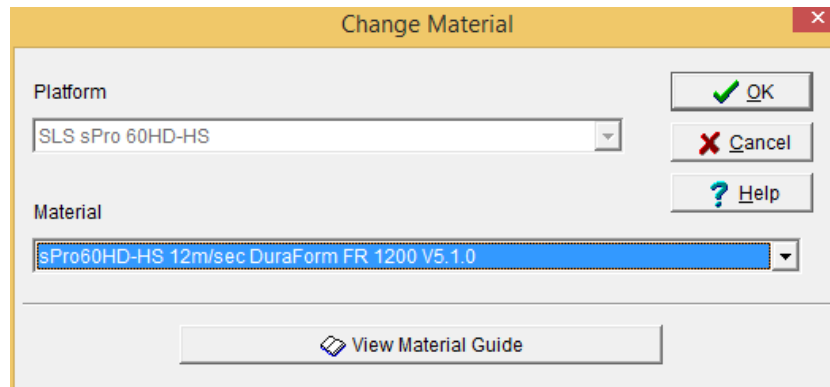
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3. "Tips and Info" CIB under *dtm/docs*:



- Launch **BuildSetup** to check if you see new **V5.1.0** DuraForm FR1200 material configurations, SP and Advanced mode (File >> Change Material).



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- On printer PC, before launching **Sinter** application, set correct material in **BuildSetup** (File >> Change Material...)
- Close **BuildSetup** after selecting the material for **Sinter** to see **BuildSetup** material as default.

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