



AFGROW European Workshop 2018 Using a Common Material Database with AFGROW

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Description

Goal: Provide network or online access to common material data

- Only tabular lookup format right now
- Require modification to the AFGROW configuration file and can be done only by administrator
- Require a data configuration file that points to all material data files
- Material files need to be in the lkpx (XML based format)





Advantages

- Provides the same set of material data for all users
- Can not be modified by users
- Easy to implement and manage
- User access can be modified per file or per group of files





Network or Online Access to Material Data

Materials	
⊡- Material List General Data Set	Material name: Material Description: Material Description
	Download
	Material properties crack direction dependent
	OK Cancel Apply Add Delete Read Save Help





Network or Online Access to Material Data – Download Data Dialog

Do	wnload Data File			×
	File Name 2014-T6 L-T Lab air Sheet.lkpx 2020-T651 L-T Lab air Plate.lkpx A356-T6 Lab Air.lkpx A357-T6 LAB AIR Casting.lkpx	Description 2014-T6 L-T Lab air Sheet 2020-T651 L-T Lab air Plate A356-T6 Lab Air A357-T6 LAB AIR Casting		
			OK Car	ncel





AFGROW Configuration File

<?xml version="1.0" encoding="utf-8" ?>

<configuration>

<appSettings>

<add key="MaterialLookupListUrl' value = "Z:\ServerFolders\Material-Data_load\MaterialLookupList.xml" />

</appSettings>

<custom.settings>

<plugins>

<plugin> Counter_Sunk_Hole_In_Plate.Counter_Sunk_Hole_In_Plate_Plugin</plugin> <plugin>VZLUPlugin.VZLUPluginClass</plugin>

</plugins>

</custom.settings>

</configuration>





Material Configuration File

<?xml version="1.0"?>

-<MaterialFileList>

<MaterialFile location="http://www.afgrow.net/material/" name="2020-T651 L-T Lab air Plate.lkpx">2020-T651 L-T Lab air Plate</MaterialFile>

<MaterialFile location="http://www.afgrow.net/material/" name="A356-T6 Lab Air.lkpx">A356-T6 Lab Air</MaterialFile>

<MaterialFile location="http://www.afgrow.net/material/" name="A357-T6 LAB AIR Casting.lkpx">A357-T6 LAB AIR
Casting</MaterialFile>

<MaterialFile location="http://www.afgrow.net/material/" name="2014-T6 L-T Lab air Sheet.lkpx">2014-T6 L-T Lab air
Sheet</MaterialFile>

</MaterialFileList>