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Durapipe
SuperFLO
User Guide

Version 1.0 Revit 2013
May 2014

 Durapipe

Lookup Tables & Type Catalogues

The pipe fittings, accessory and valve families available from bimstore for Durapipe SuperFLO products work in two distinct ways within Revit depending on what type of component it is.

Families which can be loaded as part of a "Routing Preference" for pipe systems within Revit utilise Lookup Tables to control the size of the fitting at different pipe sizes.

Families which cannot be loaded into a routing or are not utilised as commonly as other fittings within a routing preference are controlled via a Type Catalogue.

The .zip file you have downloaded from bimstore will contain either a Lookup Table (.csv) or a Type Catalogue (.txt) file.

For Type catalogues, please ensure that when saving your downloaded file on to your system that the .rfa file and the .txt file are saved in the same directory.

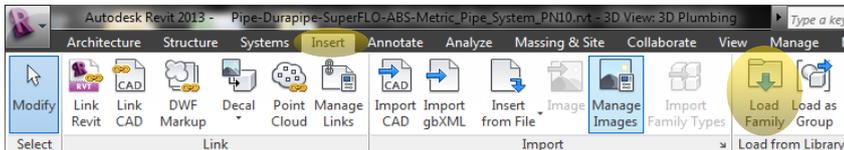
Also, do not rename the .txt file as the functionality of the type catalogue will only work if both files have exactly the same filename.

For installation of Lookup Tables please follow the instructions opposite carefully.

Loading Type Catalogue Families into your project

The pipe fittings and pipe accessories can be simply loaded into your project using the following method.

1. Open the Revit file containing your 'Project' and navigate to a floor plan view.
2. Navigate to the 'Insert' tab on the main Revit ribbon and select 'Load Family'



3. Navigate to the location of the saved Pipe Fitting/Accessory/Valve component that you have just downloaded from www.bimstore.co.uk
4. The Type Catalogue selector will now appear. Select the desired sizes from the scroll menu, the selection will turn black once picked. To select multiple items hold the shift key.
5. Click OK to load these components into your project.

Installing .CSV Lookup Tables for Proper Functionality

The pipe fitting families contained in the download require .CSV file format Lookup tables to function correctly. Lookup tables are .csv files that contain the controlling dimensions of pipe fittings within Revit. Please follow all steps in the order listed. If these steps are not followed you may encounter errors. The .csv files have been included within the download.

1. Close Revit
2. Install .csv files into the correct Revit MEP "Lookup Tables" folder, see the install paths below.

For Local Installation

This is the typical location on systems running Windows 7. Please note that if you have modified the default installation path for Revit then you need to verify where the folder exists.

For Revit MEP 2013

C:\ProgramData\Autodesk\RME 2013\Lookup Tables\Pipe

For Revit MEP 2014

C:\ProgramData\Autodesk\RME 2014\Lookup Tables\Pipe

For Revit Design Suite 2013

C:\ProgramData\Autodesk\RVT2013\Lookup Tables\Pipe

For Revit Design Suite 2014

C:\ProgramData\Autodesk\RVT2014\Lookup Tables\Pipe

Note: These families are created in Revit 2013 and will only work with versions of Revit 2013 or later.

For Network Installation

Create a network location where you want to store the files or where your company currently stores it's .CSV Lookup Table files on it's network.

Once the network location is created each user will need to update the Revit.ini (Which is the user preferences file). This file may be located in:

C:\Users\"User Name"\App Data\Roaming\Autodesk\Revit\"Revit Version"

Note: These folders may be hidden by default, if this is the case you will have to set your Windows preferences to display hidden folders.

Open the file with a text editor such as Notepad. It is a good idea to save a copy of the file before altering in case any errors are made, allowing for easy restoration to the previous state.

Change the text in the "Revit.ini" file from:

"LookupTableLocation=C:\ProgramData\Autodesk\RME2013\LookupTables" to

"LookupTableLocation="Your New Network Path That you created"

3. Launch Revit. If you change or edit any .csv files you must restart Revit for it to recognise the changes.

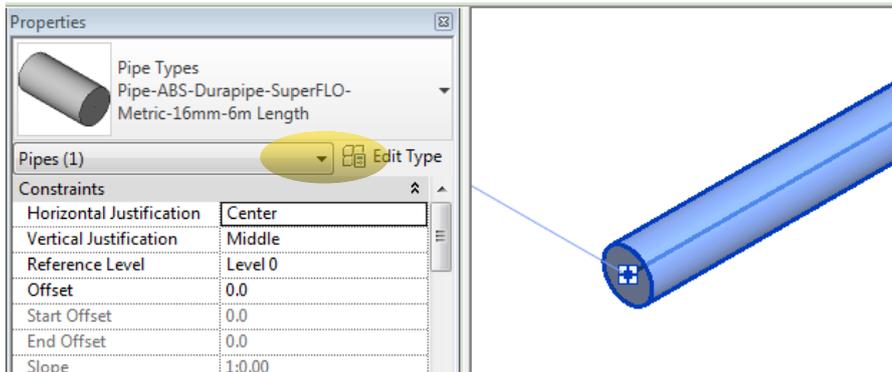
Setting up Pipe Routing Preferences

The pipe fittings are designed to be used with Durapipe SuperFLO pipes, there are two downloads on bimstore which include the Durapipe SuperFLO pipe system. One of these has all the pipe fittings which can be set within the routing preferences pre loaded into the project.

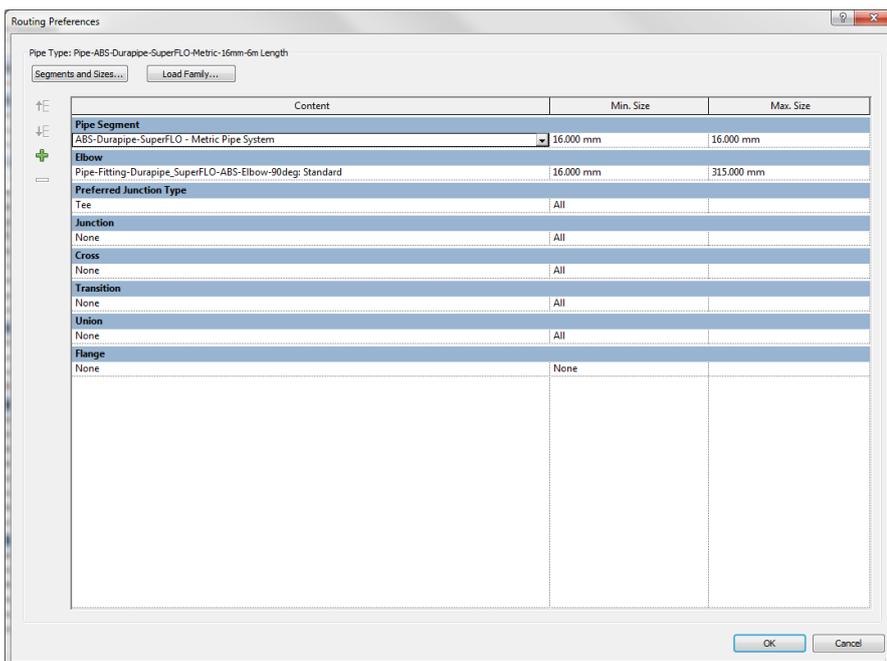
However, there is also the option to download a project which has no fittings included so the user can create a custom routing preference which does not have to include all of the fittings families.

In order to customise your 'routing preference follow the steps below:

1. Select a pipe in your project. And select 'Edit Type' from the properties box.

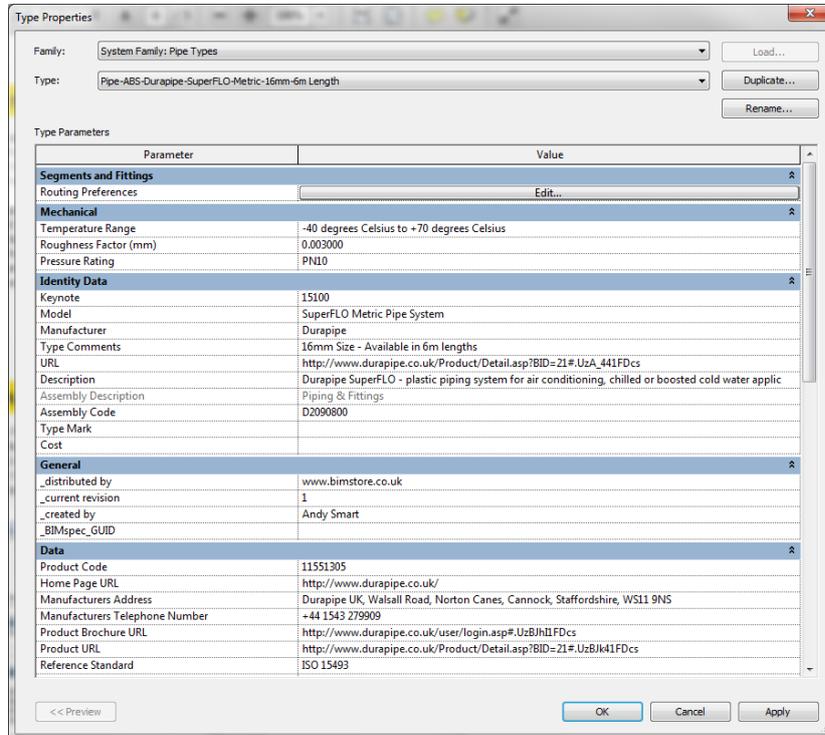


2. This will bring up the Type Properties for the pipe system. Under 'Segments and Fittings' you will find 'Routing Preferences'. Click 'Edit...' to define your routing preferences.
3. From this dialogue box you can load a family and then define how the fitting will behave within the project.
4. Note: You can have two Elbow families or two Junction families loaded into one routing preference, to do this click on the green '+' sign on the left hand side. However, Revit will use the family loaded at the top of the list as the default fitting for that type of junction. The order of preference can be determined by using the up and down arrows above the green '+' symbol.



Durapipe Manufacturer specific data

The Durapipe SuperFLO families contain a host of technical and manufacturer specific data to assist the user when building up their project or when scheduling. To access the data embedded into the families, simply select the desired component and click the 'Edit Type' button at the head of the 'Properties' tab. All this information can be scheduled including URL links direct to Durapipe and to the documentation links of the particular product.



The screenshot shows the 'Type Properties' dialog box for a pipe fitting. The 'Family' is 'System Family: Pipe Types' and the 'Type' is 'Pipe-ABS-Durapipe-SuperFLO-Metric-16mm-6m Length'. The 'Type Parameters' table is as follows:

Parameter	Value
Segments and Fittings	
Routing Preferences	Edit...
Mechanical	
Temperature Range	-40 degrees Celsius to +70 degrees Celsius
Roughness Factor (mm)	0.003000
Pressure Rating	PN10
Identity Data	
Keynote	15100
Model	SuperFLO Metric Pipe System
Manufacturer	Durapipe
Type Comments	16mm Size - Available in 6m lengths
URL	http://www.durapipe.co.uk/Product/Detail.asp?BID=21#_UzA_441FDcs
Description	Durapipe SuperFLO - plastic piping system for air conditioning, chilled or boosted cold water applic
Assembly Description	Piping & Fittings
Assembly Code	D2090800
Type Mark	
Cost	
General	
_distributed by	www.bimstore.co.uk
_current revision	1
_created by	Andy Smart
_BIMspec_GUID	
Data	
Product Code	11551305
Home Page URL	http://www.durapipe.co.uk/
Manufacturers Address	Durapipe UK, Walsall Road, Norton Canes, Cannock, Staffordshire, WS11 9NS
Manufacturers Telephone Number	+44 1543 279909
Product Brochure URL	http://www.durapipe.co.uk/user/login.asp#_UzBjH1FDcs
Product URL	http://www.durapipe.co.uk/Product/Detail.asp?BID=21#_UzBJM41FDcs
Reference Standard	ISO 15493

Other Notes

You may add the Durapipe SuperFLO pipe fittings and accessory families to your company template file, this will mean they are available without loading when starting a new project.

Revisions

Version 1.0—First Issue

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