

ACO RainDrain Range

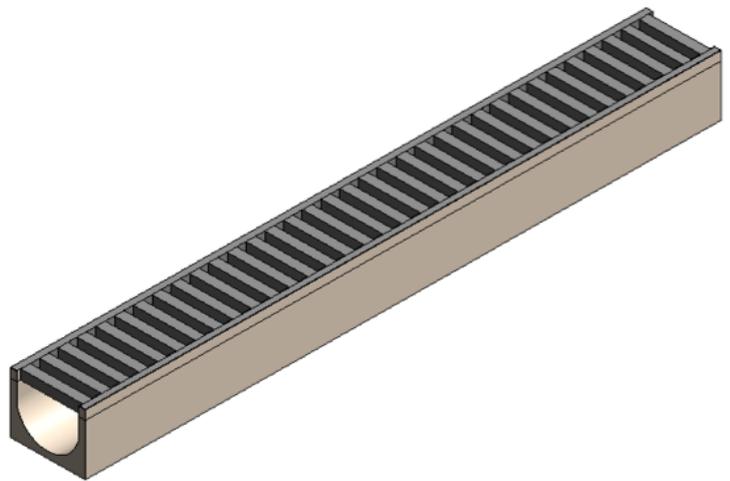
Channel drainage system

User Guide for Autodesk Revit files

▶ The ACO RainDrain Range

ACO RainDrain Range is divided into 2 individual Revit families.

- RainDrain A15
- RainDrain B125

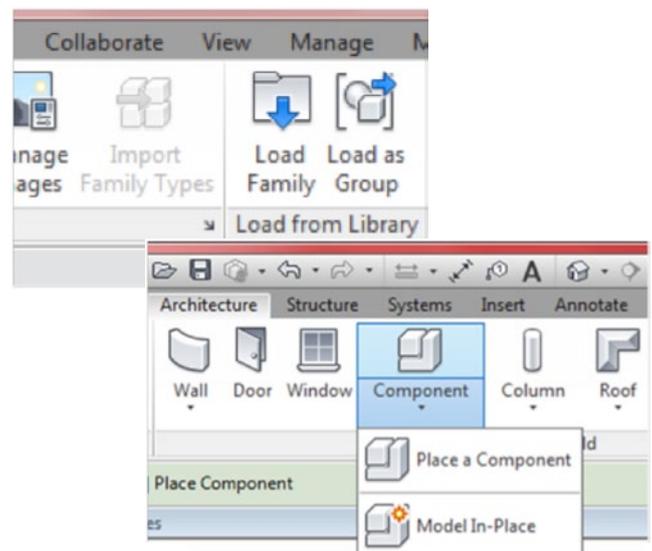


▶ Loading ACO RainDrain into your project

Each system is modelled as a generic family that can simply be loaded into your project.

1. Download the relevant ACO RainDrain file and save it to a suitable location
2. Open your project and navigate to an appropriate view
3. Navigate to the "Insert" icon on the Revit ribbon and click "Load Family"
4. Select the RainDrain Revit file you saved earlier
5. The file can now be placed into your project. Navigate to the "Architecture/Component" icons on the Revit ribbon and click "Place a Component"

Note that all of the RainDrain files are "floor" based items.



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▶ Using the channel system and options

ACO RainDrain channel system and options

Step 1: Select the channel

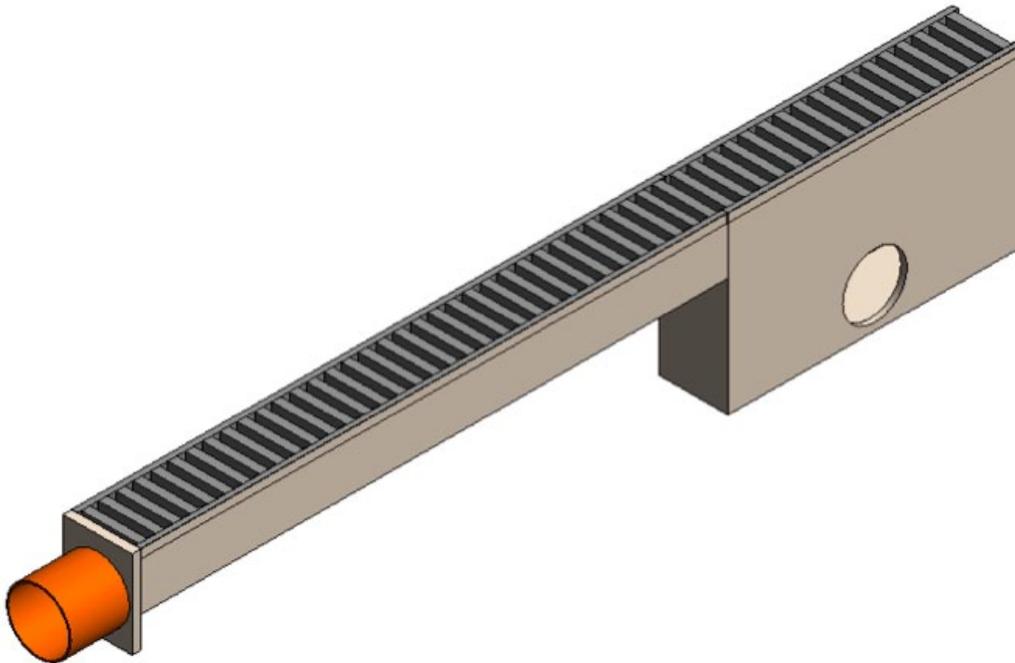
All of the different options of the RainDrain channel systems are available within the Revit family.

Examples of the options included:

- 1m Constant depth channel
- 0.5m Sump units
- Closing End Caps
- Inlet / Outlet End Caps

Select your option from the “Properties” drop down menu.

	Civil-Drainage-Channel-ACO-RainDrain-A15
	38703 - RainDrain Sump unit - 500mm LG
	47000 - RainDrain Channel - 1000mm LG - Invert Depth 87mm
	Civil-Drainage-Channel-ACO-RainDrain-B125
	38708 - RainDrain Sump unit - 500mm LG
	47001 - RainDrain Channel - 1000mm LG - Invert Depth 87mm



Generic 1m channel with 0.5m sump and outlet endcap

Step 2: Select the grating

Additional features have been built into the RainDrain file that allows simple selection of the range of gratings. Grating types include:

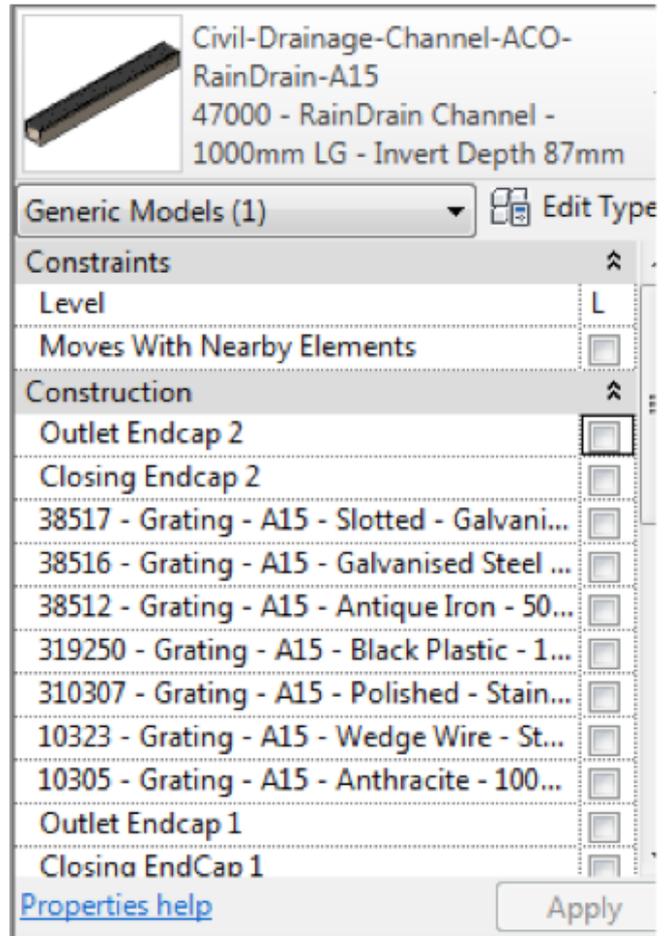
- Load Class A15 - Wedge Wire Stainless Steel - 1000mm long
- Load Class A15 - Galvanised Steel - 1000mm long
- Load Class B125 - Antique Iron 500mm long
- Load Class A15 - Polished Stainless Steel - 1000mm long
- Load Class A15 - Anthracite - 1000mm long
- Load Class A15 - Black Plastic - 1000mm long

To choose the actual grating type required, position the channel within the project and then select it. Once selected, the “Properties” box will appear on the left hand side of the screen for the channel.

Options can be made from here by using the tick box feature.

By default a generic grating is always displayed on a channel when it is placed within the project. The generic grating will always be displayed on the channel and will not visually alter, no matter what grating is selected by the tick box in the properties box. The grating cannot be hidden.

Once the grating type selection has been made in the “Properties” box it can, for example, be referenced for costing, scheduling and maintenance purposes.

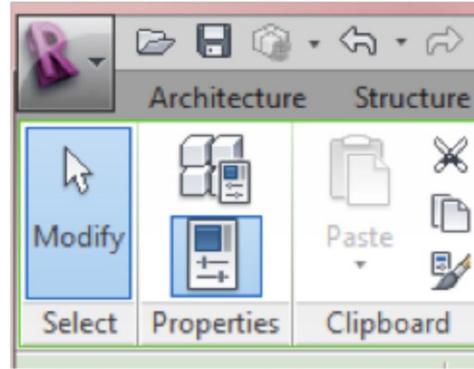


▶ Type properties

The ACO RainDrain file has a wealth of useful information embedded within it, including installation and maintenance details.

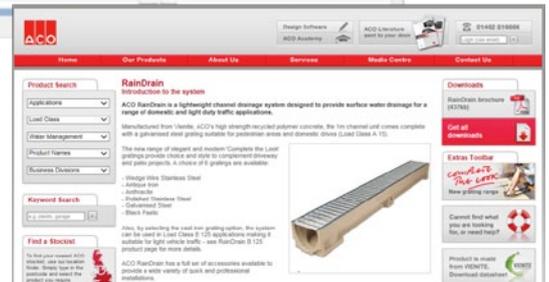
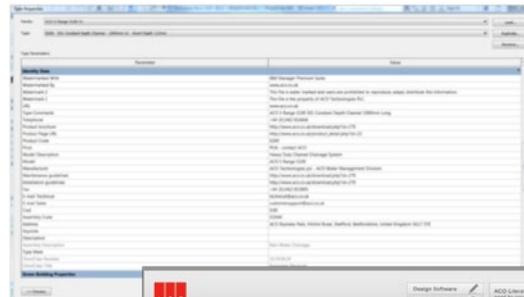
This information, along with much more is either stored within the files or available through hyperlinks within the components type properties.

1. To access the information within the component, simply select the component and then click the “Type Properties” icon on the Revit ribbon at the top of the screen



2. The “Type Properties” information sheet will now be displayed on the screen. Simply scroll up and down the sheet to find the information you require.

3. The information within the “Type Properties” is stored as “Shared Parameters” so can easily be used when creating a schedule for example.



▶ Material library

The ACO RainDrain files contain materials that are already pre-loaded into the components. When loading the ACO RainDrain files into your project the pre-loaded materials will automatically transfer through.

▶ Other notes

You can add the ACO RainDrain systems to your company template file. They will then be available without the need to load them when starting a new project. The RainDrain Range systems have been created in Revit 2014.