

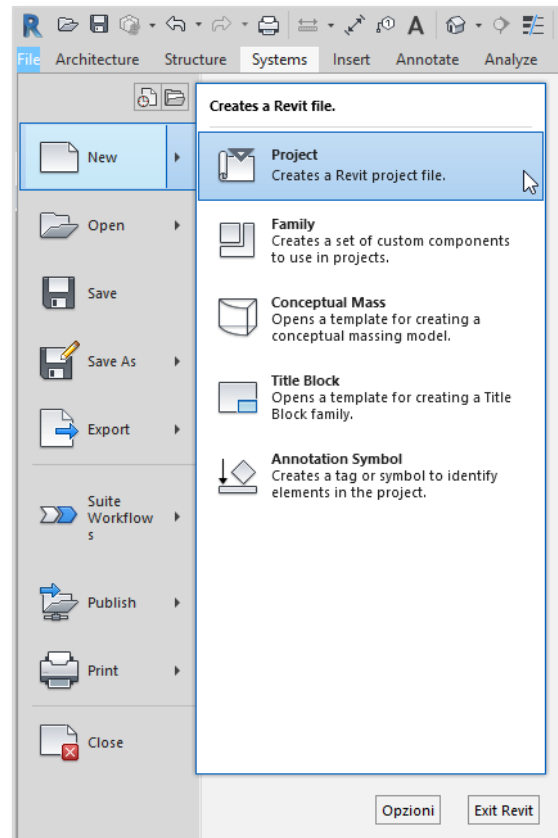
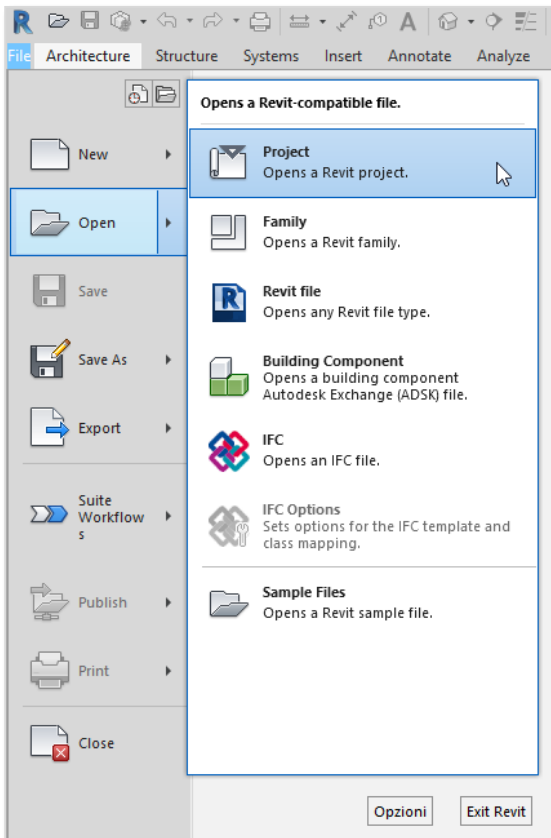
KNAUF INSULATION TECHNICAL SOLUTIONS BIM INTEGRATION – PIPE INSULATION

1. LOADING KNAUF INSULATION TECHNICAL SOLUTIONS BIM OBJECTS INTO YOUR PROJECT OR IN A NEW PROJECT

Pipe insulation in Revit is classified as a system family, in other words it is not a component and cannot be considered as a typical Revit family.

You can copy the pipe insulation types into your project according to the following easy instructions:

1. In Revit, please open your “Revit project” or a new project and navigate to a floor plan view:



2. Please open the Revit file you have previously downloaded from Knauf Insulation Technical Solutions website www.ki4ts.com. The default view that will open is a floor plan view providing an overview of the pipe insulation products. Select the pipes (already insulated with Knauf Insulation pipe insulation) that you wish to copy (press Ctrl for multiple selections). The selected components will turn blue as in the following image:

Thermo-teK PS PRO ALU – Pipe section

Pipe Insulation

Please select below the right BIM object, according to the pipe section thickness you may need:

Thermo-teK PS PRO ALU - 20 mm

Thermo-teK PS PRO ALU - 25 mm

Thermo-teK PS PRO ALU - 30 mm

Thermo-teK PS PRO ALU - 40 mm

Thermo-teK PS PRO ALU - 50 mm

Thermo-teK PS PRO ALU - 60 mm

Thermo-teK PS PRO ALU - 70 mm

Thermo-teK PS PRO ALU - 80 mm

Thermo-teK PS PRO ALU - 90 mm

Thermo-teK PS PRO ALU - 100 mm

Thermo-teK PS PRO ALU - 120 mm

Knauf Insulation Thermo-teK PS PRO ALU

Please note that pipe section BIM objects are represented with steel pipes DN 65: you can change the pipe diameter, according to the pipe section inner diameter / thickness available combinations as indicated in the table below:

TABLE PIPE SECTION INNER DIAMETER / THICKNESS AVAILABLE COMBINATIONS

Pipe Section Inner Diameter (mm)	Pipe Section Thickness (mm)											
	20	25	30	40	50	60	70	80	90	100	120	
15												
18												
22												
25												
42												
48												
51												
63												
64												
70												
76												
88												
102												
106												
114												
132												
142												
158												
162												
184												
218												
242												
272												
302												
324												

Applications

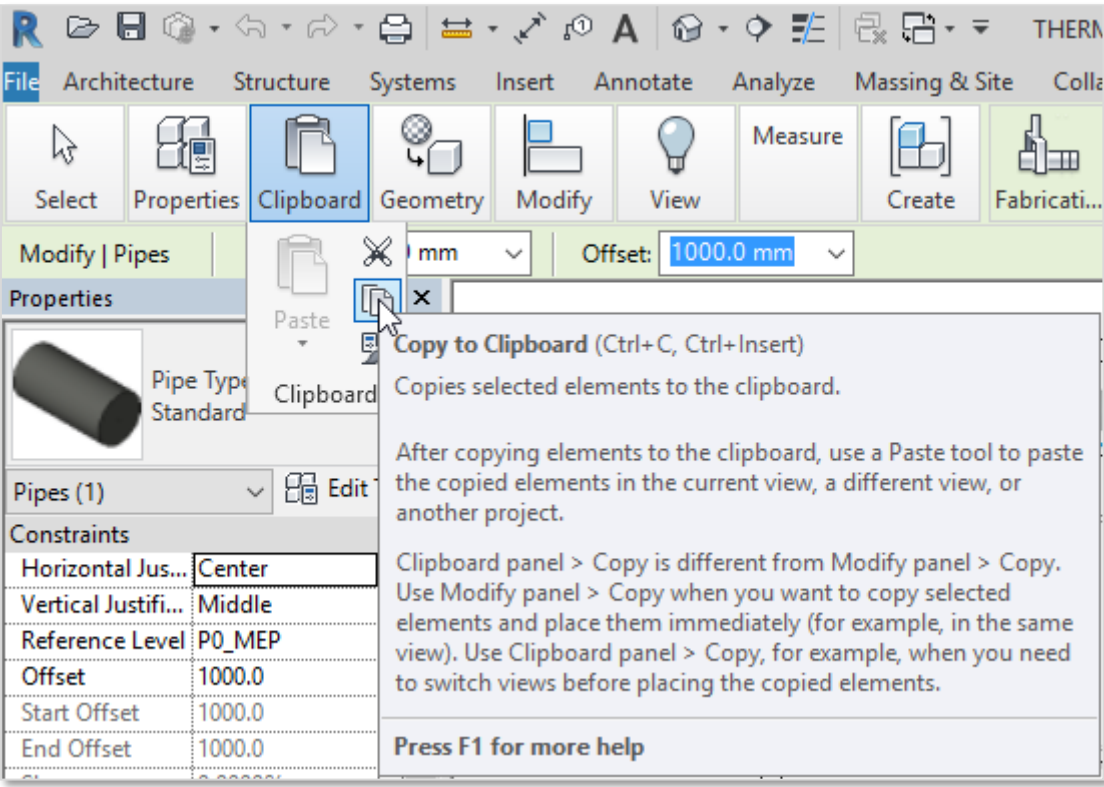
Pipes

Circular wound mineral wool pipe section with bio-based formaldehyde-free binder, faced with tear-resistant glass fibre reinforced aluminium foil and slit on one side for easier installation

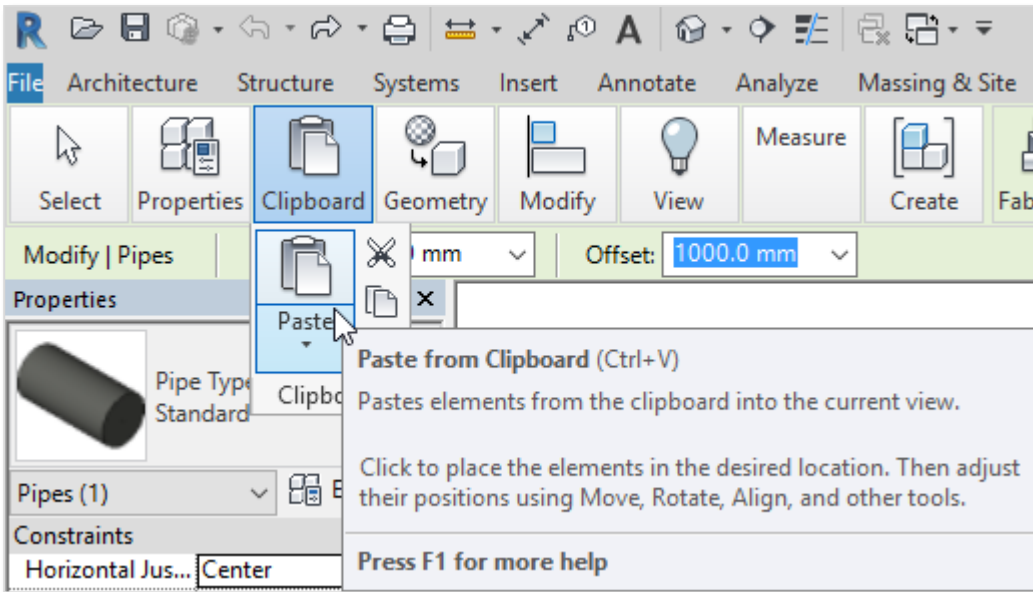
Knauf Insulation d.o.o.
 Varaždinska 140
 42220 Novi Marof (Croatia)
 bim-ts@knaufinsulation.com
 www.ki4ts.com

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3. Now copy the components to your clipboard (shortcut Ctrl+C) or click the copy button on the main Revit ribbon:



- Now go to your project (plan view) and paste the selected components into your project environment (shortcut Ctrl+P). You can also use the paste button on the main Revit ribbon as follow:

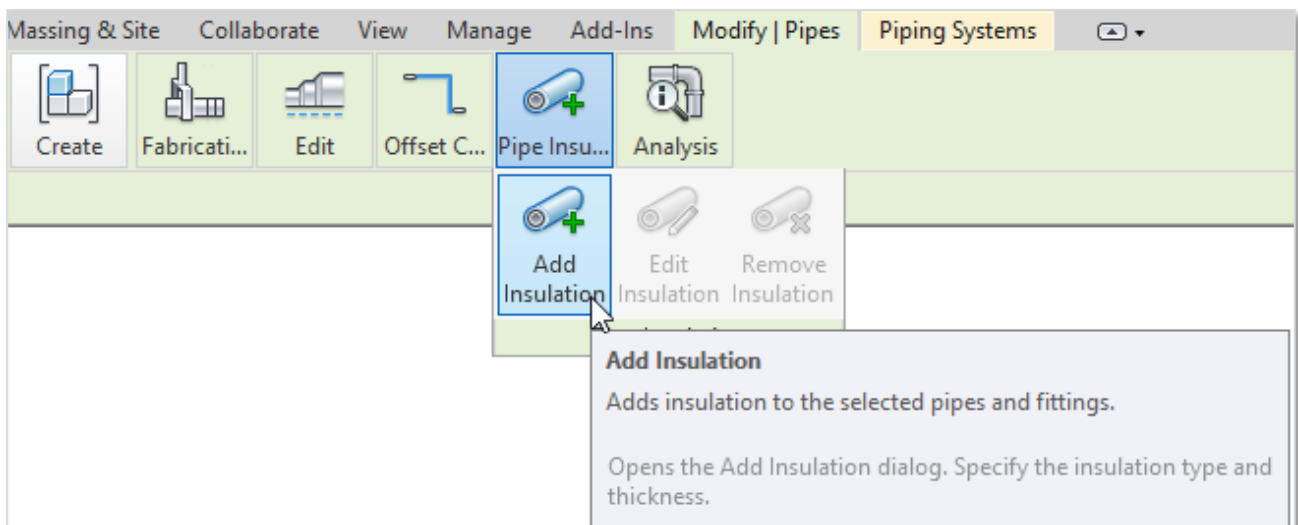


- The pipes with the insulation applied are now copied and integrated into your project. You can delete the components you have pasted and they will remain within your project BIM unless purged out.

2. ADDING KNAUF INSULATION TS INSULATION TO YOUR PIPELINE – PIPE INSULATION

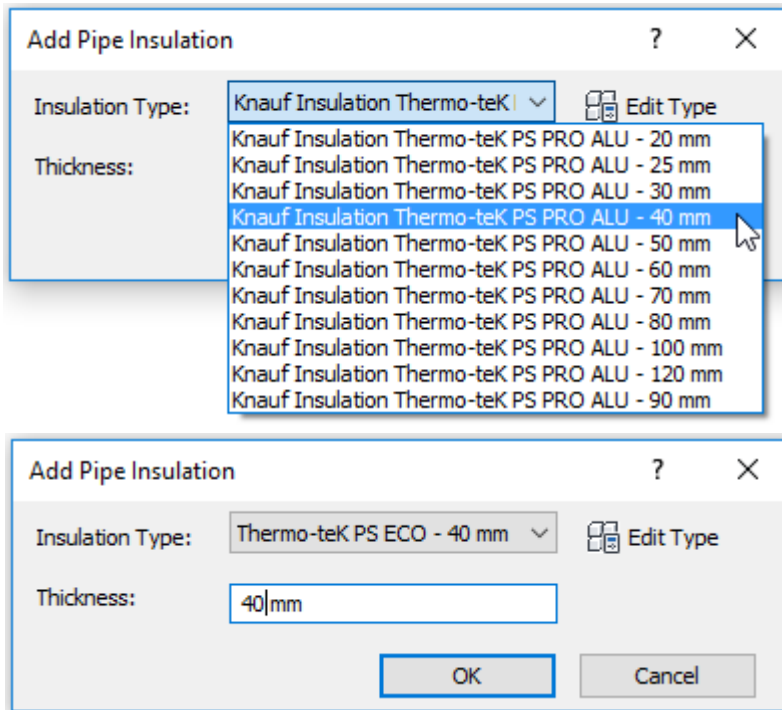
Knauf Insulation products for pipes can be applied to your pipelines using the default pipe insulation method:

- In your Revit project select the pipe you wish to add the insulation to.
- Press the button “Add Insulation” in the main Revit ribbon:



If the insulation is already present on the pipe, you can click also on “Edit Insulation” to modify and change the current insulation or on “Remove Insulation” to take off the current insulation.

- When you click on “Add Insulation” a pop-up box will appear, as illustrated. Then please select the insulation type you require, according to the insulation thickness you may need. The thickness of the insulation is indicated in the name of the Insulation Type:



- Please indicate the insulation thickness according to the chosen insulation type.
- Please click “OK” to apply the insulation on the pipe.
- Pipe insulation can be also applied on pipe fittings, valves and accessories, using the same above described method.

3. KNAUF INSULATION TS INSULATION VARIATIONS – PIPE INSULATION

The represented pipe insulation types indicate all the available thickness, as mentioned also in the names of the single variations.

The pipe insulation types (BIM objects) are represented in the Revit file with steel pipes DN 65. **You can change the pipe diameter, according to the pipe section inner diameter / thickness available combinations (cells in green) as indicated in the table reported in the Revit file:**

TABLE PIPE SECTION INNER DIAMETER / THICKNESS AVAILABLE COMBINATIONS

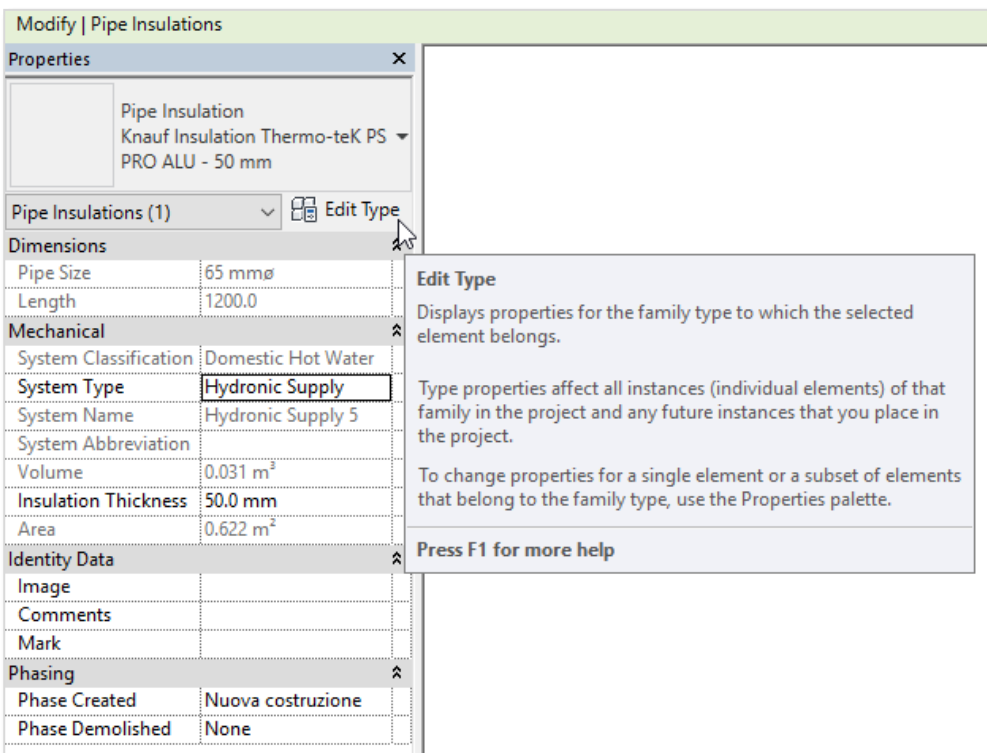
Pipe Section Inner diameter (mm)	Pipe Section Thickness (mm)										
	20	25	30	40	50	60	70	80	90	100	120
15											
18											
22											
28											
35											
42											
48											
54											
60											
64											
70											
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89											
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108											
114											
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168											
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245											
273											
305											
324											

4. INTEGRATED DATA IN THE KNAUF INSULATION TECHNICAL SOLUTIONS BIM OBJECTS

The insulation type contents have been set up with all the relevant technical data, links to product webpage, technical data sheet, DoP.

To access this information, please follow the following simple steps:

1. Select the pipe with the insulation applied and click “Edit Insulation”.
2. The insulation type will be displayed on the left side of the screen under the “Properties” dialogue box. Please click “Edit Type”, as illustrated below:



- The box "Type Properties" containing all the product information for the pipe insulation types will be displayed:

Type Properties ✕

Family: Load...

Type: Duplicate...

Rename...

Type Parameters

Parameter	Value
Materials and Finishes	
Material	Knauf Insulation Thermo-teK PS PRO ALU - 50 mm
Dimensions	
Thickness	50.0
Available Insulation Thickness	20 mm; 25 mm; 30 mm; 40 mm; 50 mm; 60 mm; 70 mm; 80 mm; 90 mm; 100 mm
Available Inner Diameters (depending on the thickness)	22 mm; 28 mm; 35 mm; 42 mm; 48 mm; 54 mm; 60 mm; 64 mm; 70 mm; 76 mm;
Length	1200 mm
Identity Data	
Type Image	
Keynote	
Model	Thermo-teK PS PRO ALU - 50 mm, mineral wool pipe insulation
Manufacturer	Knauf Insulation d.o.o. (Novi Marof)
Type Comments	
URL	http://www.ki-ts.com/en/our-solutions/choose-product/products/thermo-tek
Description	Circular wound mineral wool pipe section with bio-based formaldehyde-free bin
Assembly Description	
Assembly Code	
Type Mark	
Cost	
Declaration of Performance (DoP)	http://dopki.com/T4305NP
Technical Data Sheet	http://www.ki-ts.com/en/our-solutions/choose-product/products/thermo-tek
Product Safety Information Sheet	http://www.ki-ts.com/en/our-solutions/choose-product/products/thermo-tek
Manufacturer URL	http://www.ki4ts.com
IFC Parameters	
Ifc Export As	Ifc Pipe Section KI TS Thermo-teK PS PRO ALU - 50 mm
Ifc Export Type	Ifc Pipe Insulation

<< Preview
OK
Cancel
Apply