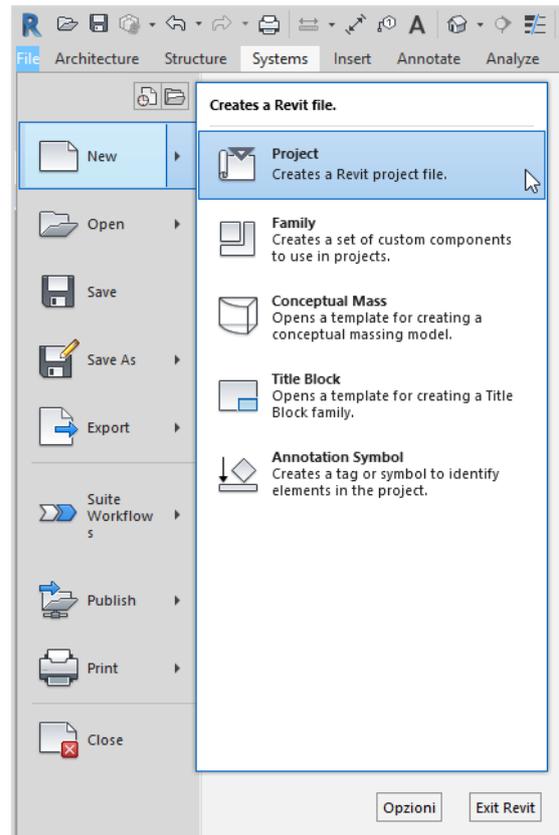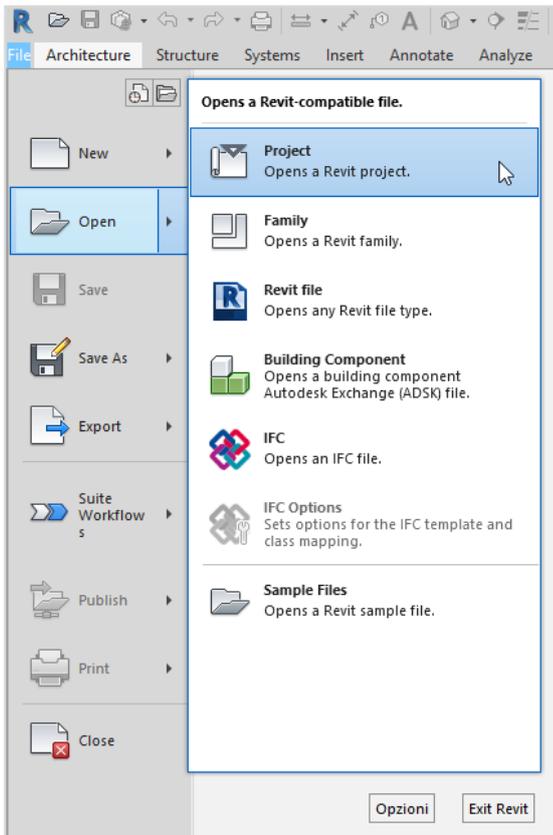**KNAUF INSULATION TECHNICAL SOLUTIONS BIM INTEGRATION – PIPE INSULATION**

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

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

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
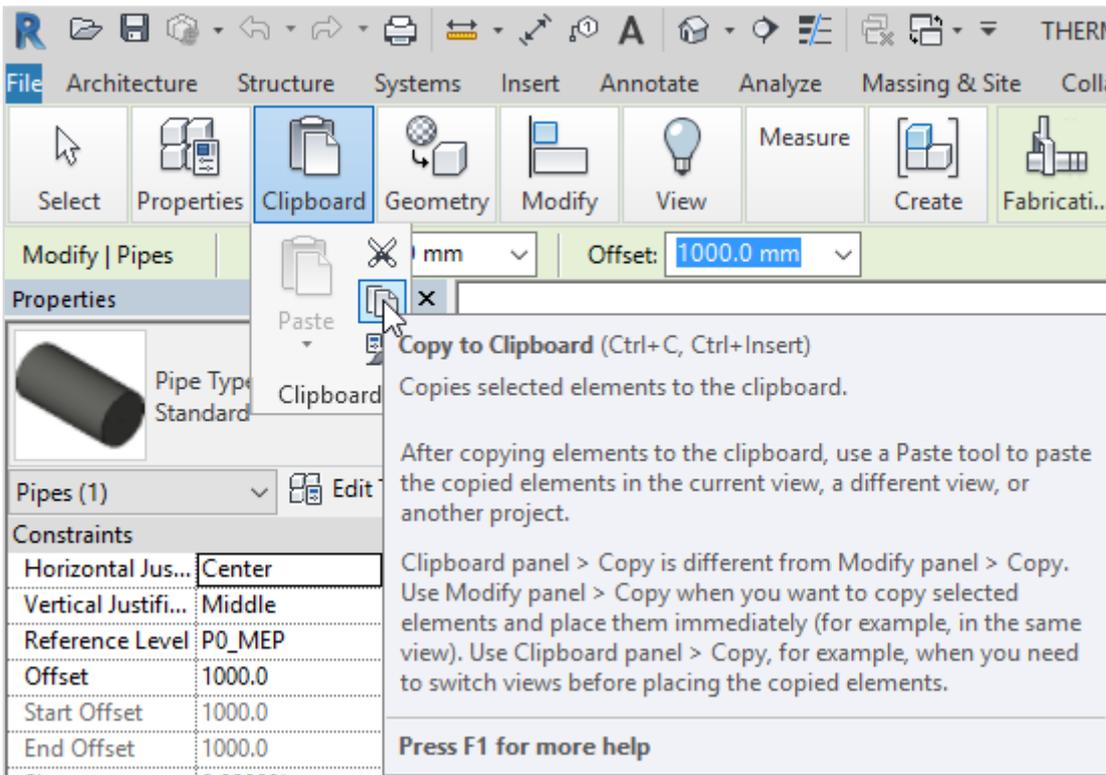
Applications

Pipes

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

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

For any information, please contact: **bim-ts@knaufinsulation.com** - **www.ki4ts.com**

4. 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:
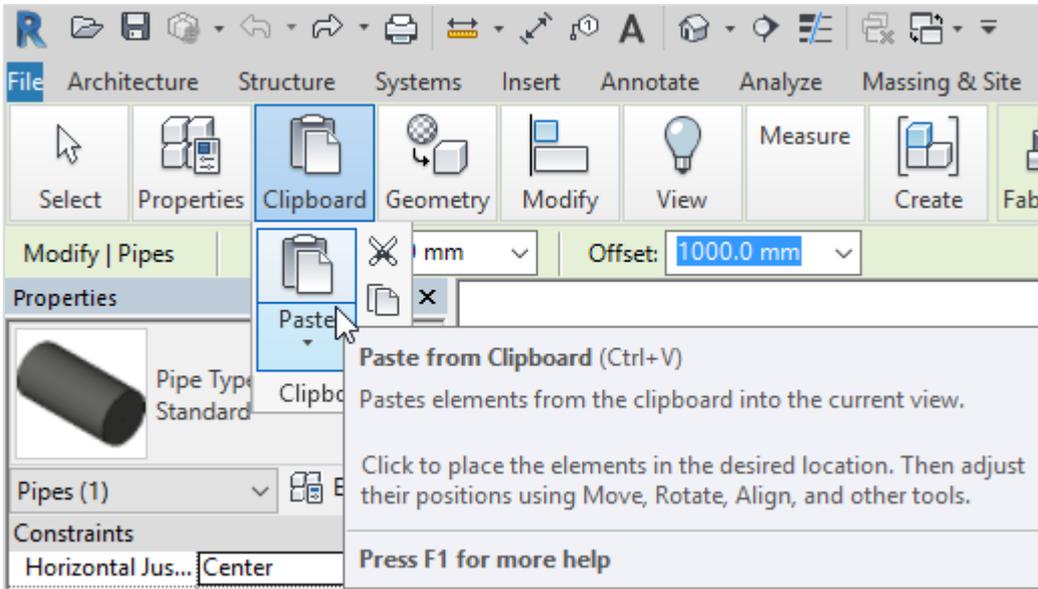
5. The pipes with the insulation applied are now copied and integrated into your project. You can delete the components you have pasted and they will remain within your project BIM unless purged out.

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:

1. In your Revit project select the pipe you wish to add the insulation to.
2. Press the button "Add Insulation" in the main Revit ribbon:
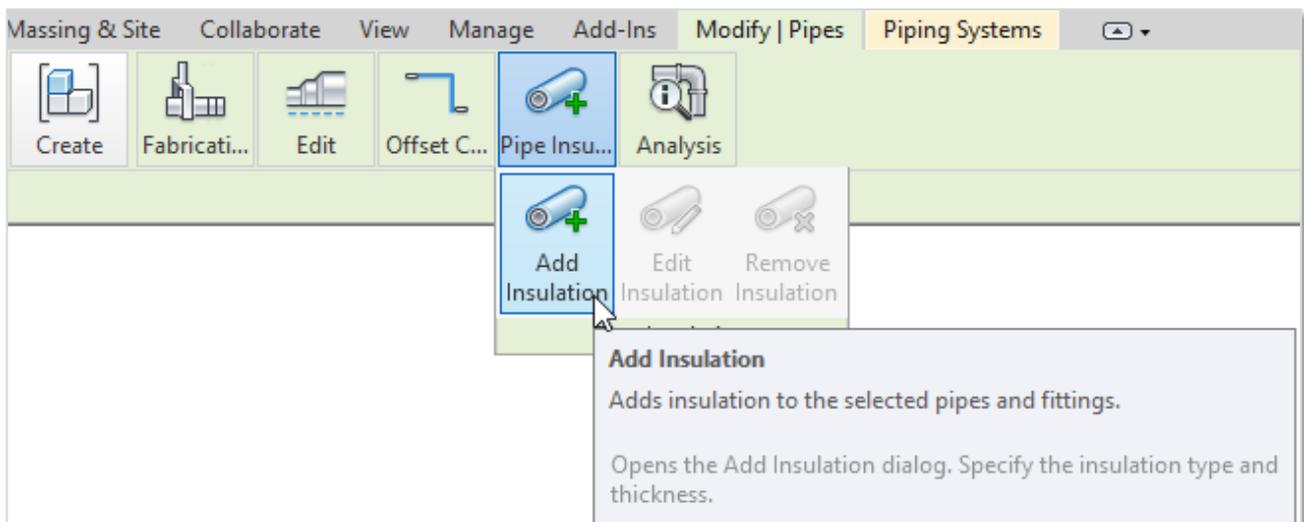
If the insulation is already present on the pipe, you can click also on "Edit Insulation" to modify and change the current insulation or on "Remove Insulation" to take off the current insulation.

3. 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:
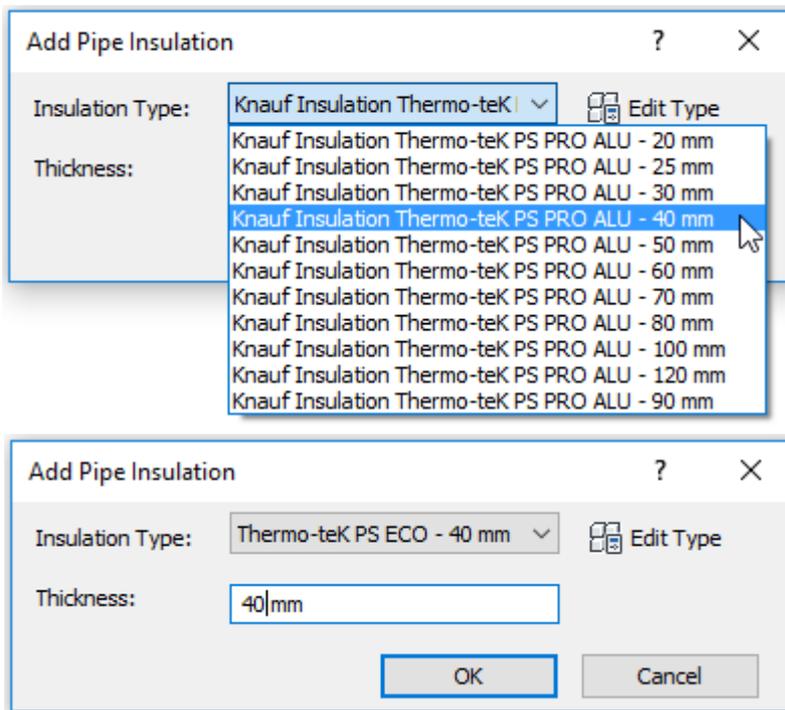
4. Please indicate the insulation thickness according to the chosen insulation type.
5. Please click "OK" to apply the insulation on the pipe.
6. Pipe insulation can be also applied on pipe fittings, valves and accessories, using the same above described method.

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:**

For any information, please contact: **bim-ts@knaufinsulation.com - www.ki4ts.com**

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	●	●	●	●	●	●	●	●	●	●	●
76	●	●	●	●	●	●	●	●	●	●	●
89	●	●	●	●	●	●	●	●	●	●	●
102	●	●	●	●	●	●	●	●	●	●	●
108	●	●	●	●	●	●	●	●	●	●	●
114	●	●	●	●	●	●	●	●	●	●	●
133		●	●	●	●	●	●	●	●	●	●
140		●	●	●	●	●	●	●	●	●	●
159		●	●	●	●	●	●	●	●	●	●
168		●	●	●	●	●	●	●	●	●	●
194		●	●	●	●	●	●	●	●	●	●
219		●	●	●	●	●	●	●	●	●	●
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:

For any information, please contact: **bim-ts@knaufinsulation.com** - **www.ki4ts.com**
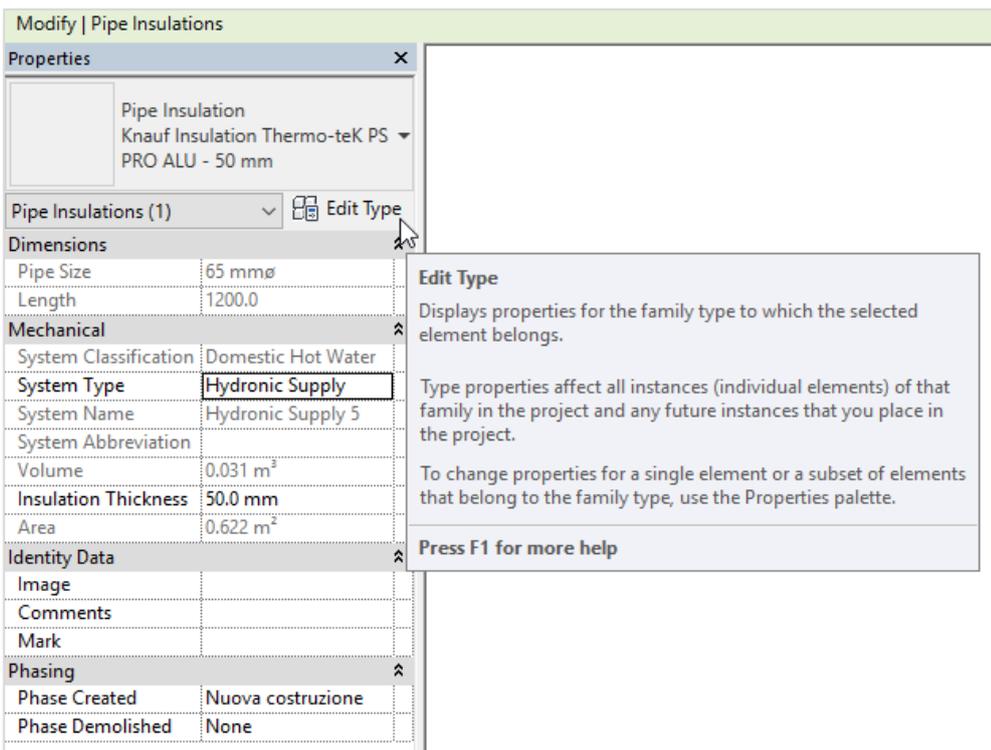
3. The box "Type Properties" containing all the product information for the pipe insulation types will be displayed:

Type Properties ✕

Family:	System Family: Pipe Insulation	⌄	Load...
Type:	Knauf Insulation Thermo-teK PS PRO ALU - 50 mm	⌄	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 m	
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;	
Lenght	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	
Manufacer 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 |

For any information, please contact: **bim-ts@knaufinsulation.com** - **www.ki4ts.com**