

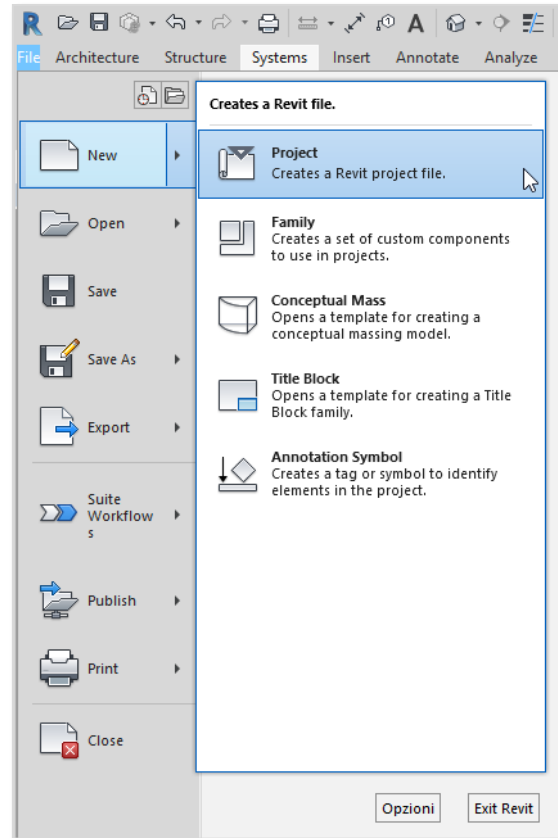
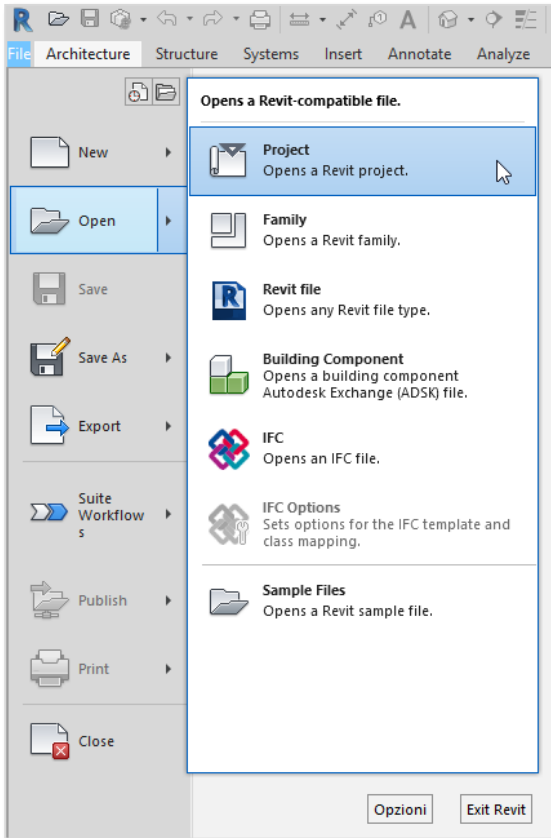
KNAUF INSULATION TECHNICAL SOLUTIONS BIM INTEGRATION – DUCT INSULATION

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

Duct 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 duct 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 duct insulation products. Select the ducts (already insulated with Knauf Insulation duct insulation) that you wish to copy (press Ctrl for multiple selections). The selected components will turn blue as in the following image:

Thermo-teK LM ECO ALU – Lamella Mat

Rectangular Duct Insulation

Please select below the right BIM object, according to the lamella mat thickness you may need:

<input type="checkbox"/> Thermo-teK LM ECO ALU - 20 mm	<input type="checkbox"/> Thermo-teK LM ECO ALU - 30 mm	<input type="checkbox"/> Thermo-teK LM ECO ALU - 40 mm
<input type="checkbox"/> Thermo-teK LM ECO ALU - 50 mm	<input type="checkbox"/> Thermo-teK LM ECO ALU - 60 mm	<input type="checkbox"/> Thermo-teK LM ECO ALU - 80 mm
<input type="checkbox"/> Thermo-teK LM ECO ALU - 100 mm	<input checked="" type="checkbox"/> Thermo-teK LM ECO ALU - 120 mm	<input type="checkbox"/> Thermo-teK LM ECO ALU - 140 mm

Round Duct Insulation

Please select below the right BIM object, according to the lamella mat thickness you may need:

<input type="checkbox"/> Thermo-teK LM ECO ALU - 20 mm	<input type="checkbox"/> Thermo-teK LM ECO ALU - 30 mm	<input type="checkbox"/> Thermo-teK LM ECO ALU - 40 mm
<input type="checkbox"/> Thermo-teK LM ECO ALU - 50 mm	<input type="checkbox"/> Thermo-teK LM ECO ALU - 60 mm	<input type="checkbox"/> Thermo-teK LM ECO ALU - 80 mm
<input type="checkbox"/> Thermo-teK LM ECO ALU - 100 mm	<input type="checkbox"/> Thermo-teK LM ECO ALU - 120 mm	<input type="checkbox"/> Thermo-teK LM ECO ALU - 140 mm

Pipe Insulation

Please select below the right BIM object, according to the lamella mat thickness you may need:

<input type="checkbox"/> Thermo-teK LM ECO ALU - 20 mm	<input type="checkbox"/> Thermo-teK LM ECO ALU - 30 mm	<input type="checkbox"/> Thermo-teK LM ECO ALU - 40 mm
<input type="checkbox"/> Thermo-teK LM ECO ALU - 50 mm	<input type="checkbox"/> Thermo-teK LM ECO ALU - 60 mm	<input type="checkbox"/> Thermo-teK LM ECO ALU - 80 mm
<input type="checkbox"/> Thermo-teK LM ECO ALU - 100 mm	<input type="checkbox"/> Thermo-teK LM ECO ALU - 120 mm	<input type="checkbox"/> Thermo-teK LM ECO ALU - 140 mm

Knauf Insulation Thermo-teK LM ECO ALU

ECOSE

Applications

- Duct - rectangular
- Duct - round
- Pipes

Mineral wool lamella mat with bio-based formaldehyde-free binder, consisting of individual mineral wool strips (lamella) that are bonded on one side to a tear-resistant, glass mesh reinforced aluminium foil

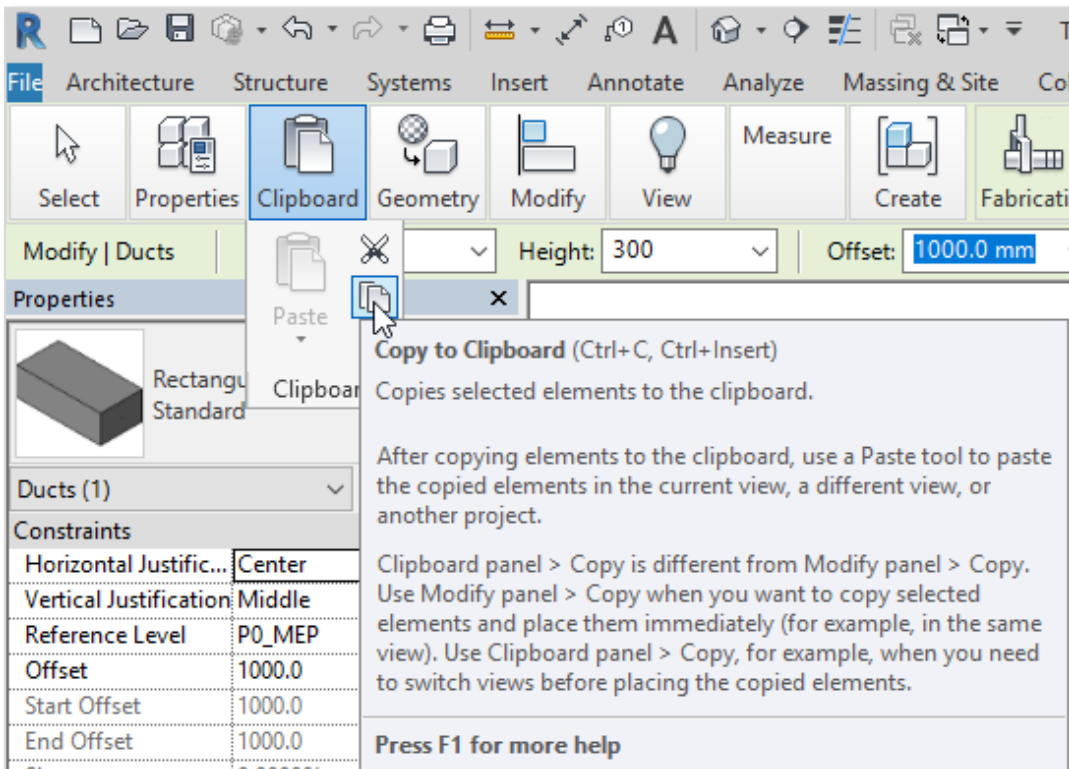
Knauf Insulation d.o.o.
 Varazdinska 140
 42220 Novi Marof (Croatia)
 bim-ts@knaufinsulation.com
 www.ki4ts.com

TABLE LAMELLA MAT AVAILABLE THICKNESS

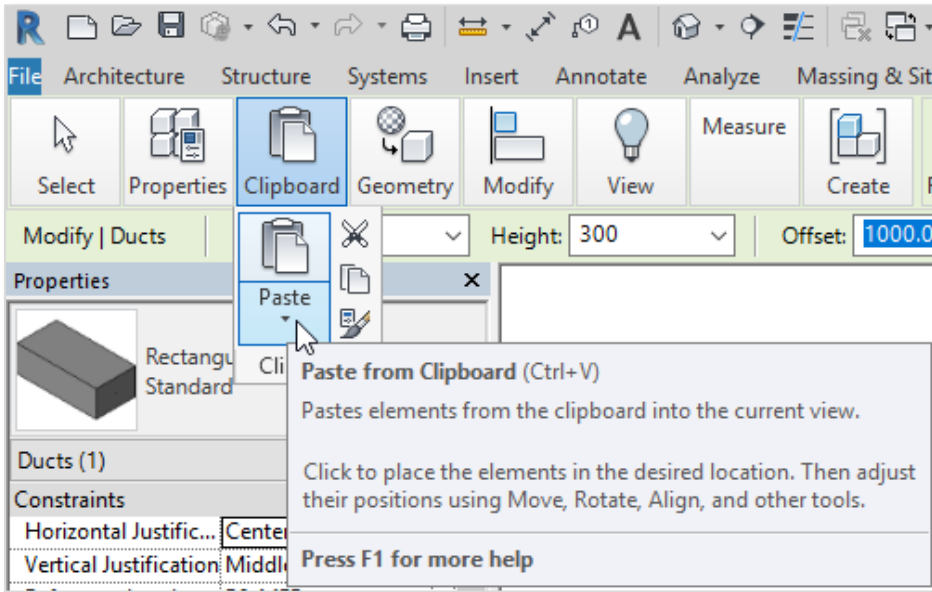
Lamella Mat Thickness (mm)									
20	30	40	50	60	80	100	120	140	

Disclaimer: The information and the drawings are intended for marketing purpose only. Data is subject to change without notice based on Knauf Insulation continued research and development results. All rights reserved. For more information, please visit www.ki4ts.com

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:

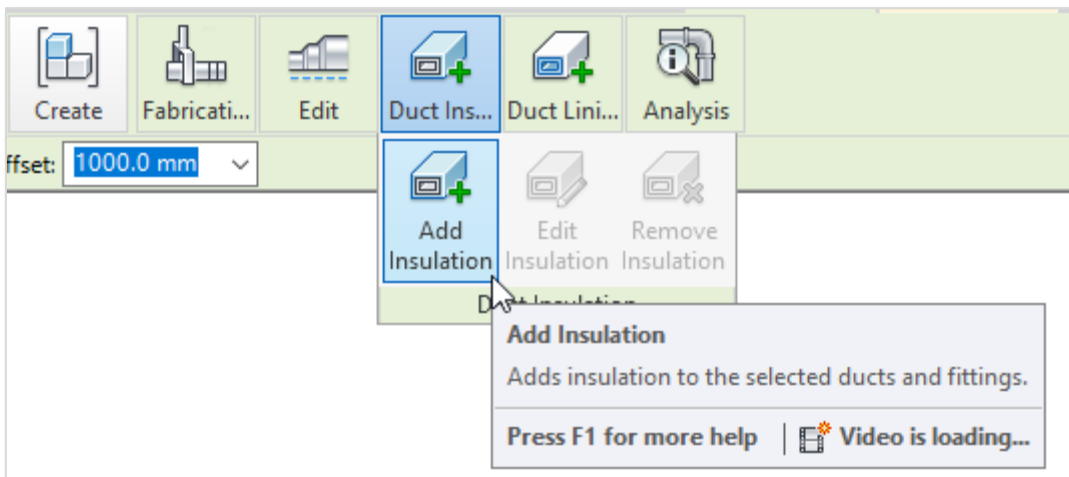


- The ducts with the insulation applied are now copied and integrated into your project. You can delete the components you have pasted and they will remain within your project BIM unless purged out.

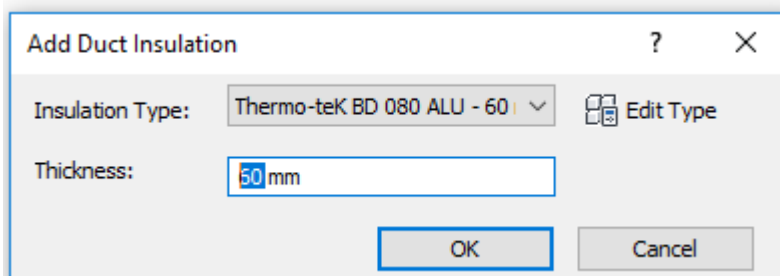
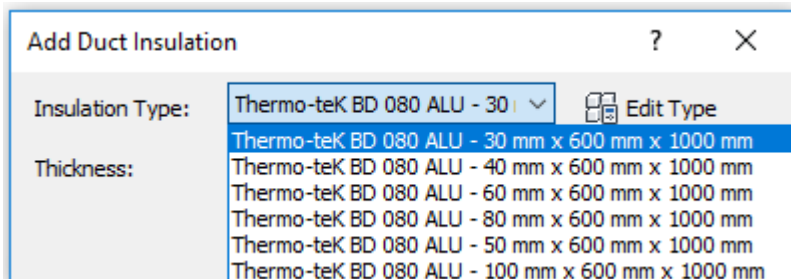
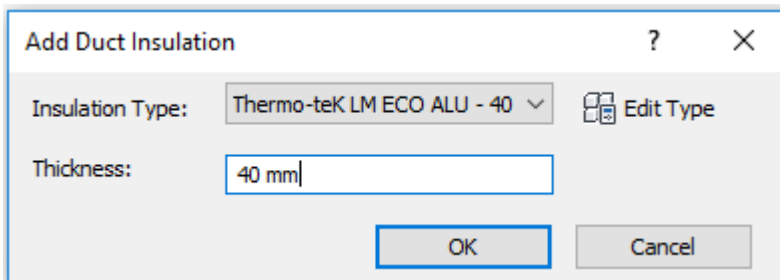
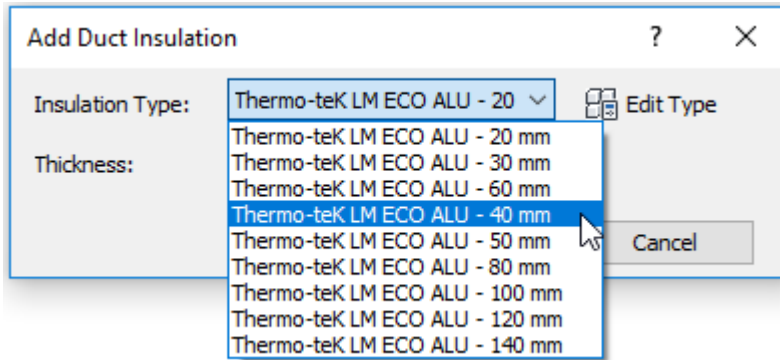
2. ADDING KNAUF INSULATION TS INSULATION TO DUCTS – DUCT INSULATION

Knauf Insulation products for ducts can be applied to ducts using the default duct insulation method:

- In your Revit project select the duct 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 duct, 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:



4. Please indicate the insulation thickness according to the chosen insulation type.
5. Please click "OK" to apply the insulation on the duct.
6. Duct insulation can be also applied on accessories, using the same above described method.

3. KNAUF INSULATION TS INSULATION VARIATIONS – DUCT INSULATION

The represented duct insulation types indicate all the available thickness or dimensions (for boards), as mentioned also in the names of the single variations.

It is possible to change the thickness and the dimension (for boards), according to the available thickness and dimensions (for boards), as indicated in the table reported in the Revit file:

TABLE LAMELLA MAT AVAILABLE THICKNESS

Lamella Mat Thickness (mm)								
20	30	40	50	60	80	100	120	140

TABLE BOARD AVAILABLE DIMENSIONS

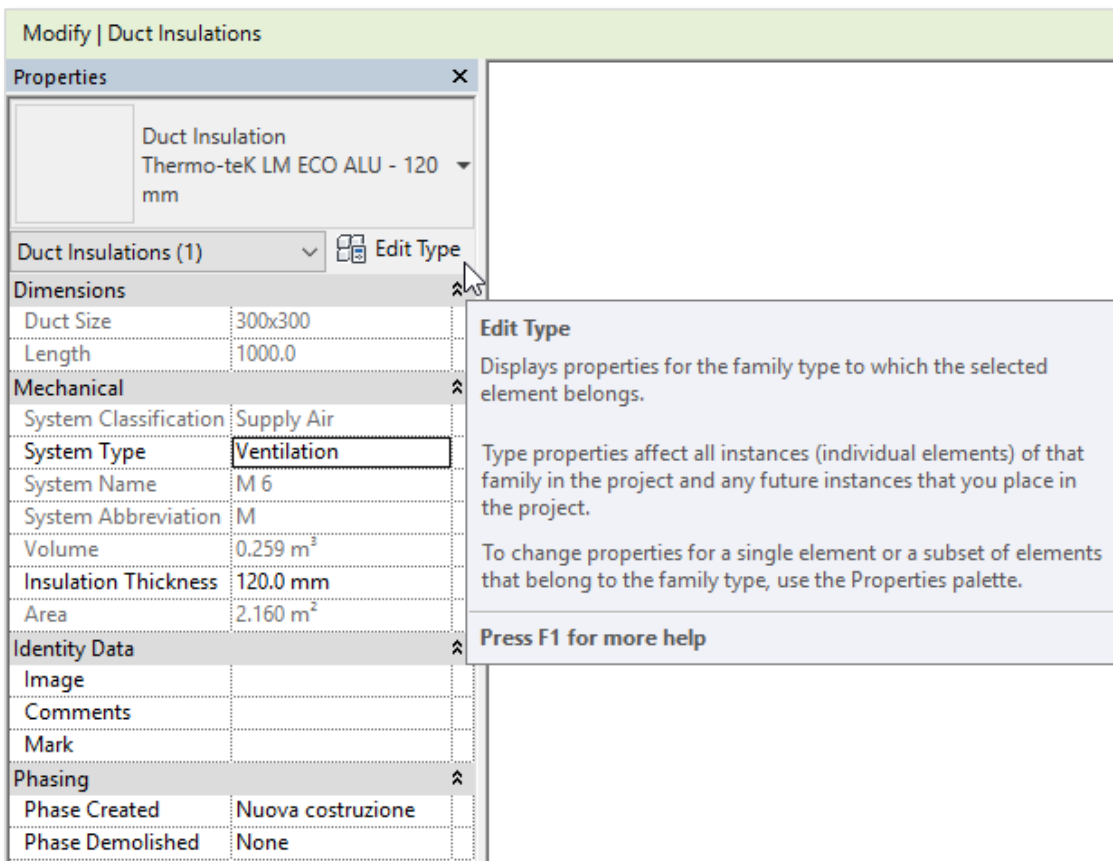
Thickness (mm)	Width (mm)	Length (mm)
40	600	1000
50	600	1000
100	600	1000
50	1000	1500
50	1000	2000
50	1200	2000
60	1200	2000
100	1200	2000

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 duct 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 duct insulation types will be displayed:

Type Properties ✕

Family: System Family: Duct Insulation Load...

Type: Thermo-teK LM ECO ALU - 120 mm Duplicate...

Rename...

Type Parameters

Parameter	Value
Materials and Finishes ⬆	
Material	Knauf Insulation Thermo-teK LM ECO ALU - 120 mm
Dimensions ⬆	
Available Insulation Thickness	20 mm; 30 mm; 40 mm; 50 mm; 60 mm; 80 mm; 100 mm; 120 mm; 140 mm
Width	500 mm / 1000 mm
Thickness	120 mm
Identity Data ⬆	
Type Image	
Keynote	
Model	Thermo-teK LM ECO ALU - 120 mm, mineral wool lamella mat
Manufacturer	Knauf Insulation d.o.o. (Novi Marof)
Type Comments	Thermo-teK LM ECO ALU - 120 mm - aluminium foil
URL	http://www.ki-ts.com/en/our-solutions/choose-product/products/thermo-t
Description	Mineral wool lamella mat with bio-based formaldehyde-free binder, consisting
Assembly Description	
Assembly Code	
Type Mark	
Cost	
Declaration of Performance (DoP)	http://dopki.com/T4305MP
Technical Data Sheet	http://www.ki-ts.com/en/our-solutions/choose-product/products/thermo-t
Product Safety Information Sheet	http://www.ki-ts.com/en/our-solutions/choose-product/products/thermo-t

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OK
Cancel
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