



BIM LIBRARY MANUAL

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V.00

Strat**BIM**[®]



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DOCUMENT VERSIONS

V.00	01/09/2024	First published version.
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BIM LIBRARY MANUAL

01. Introduction

This BIM Library Manual aims to support the installation and use of BIM Objects related to products developed and marketed by **SOFALCA**, seeking to help AEC Industry - Architecture, Engineering and Construction technicians in their decision process.

02. Library Description

The presented BIM Library, related to **SOFALCA**® products, was developed for **AUTODESK REVIT**® and includes four families, each corresponding to a specific use of expanded cork agglomerate:

- Floor insulation;
- Wall insulation;
- Roof insulation;
- Wall cladding.

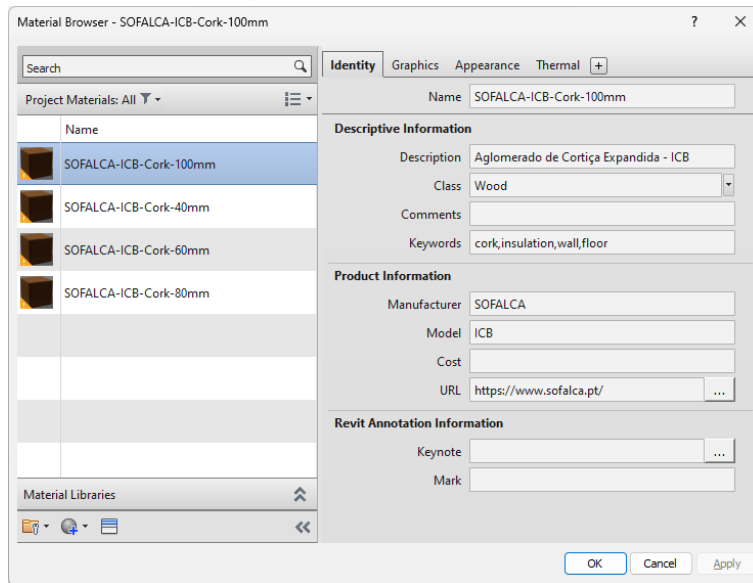
03. Compatible Versions

The library is compatible with the **AUTODESK REVIT**® 2021 version or newer.

04. Objects Characteristics

The objects are created within their respective categories so that they can be used according to their actual application. This way, all objects related to flooring components, wall components, and roofing components are placed within the Floor, Wall, and Roof categories – system families.

The materials used in the objects are accessible in the program's Material Browser. Its configuration includes not only the relevant information but also details regarding its visual appearance. Additionally, it includes data on thermal characteristics to support the calculation of the thermal resistance of the applied product.

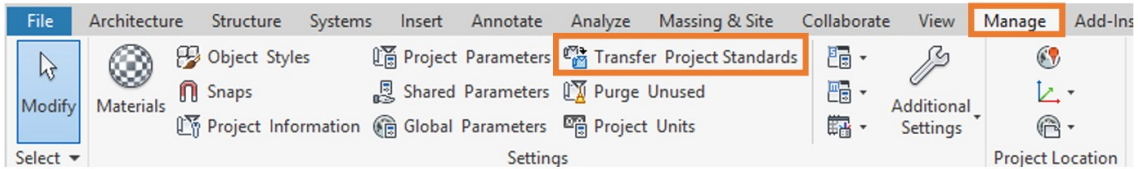


The objects include parameters that allow for a more detailed description of the presented solution. These parameters are accessible from the type properties box, where all descriptions, characteristics, and other relevant information about the object are provided.

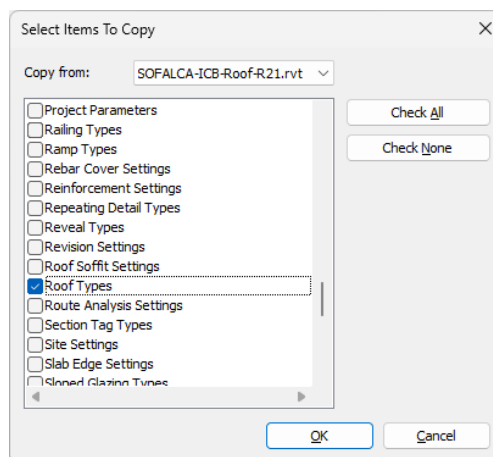
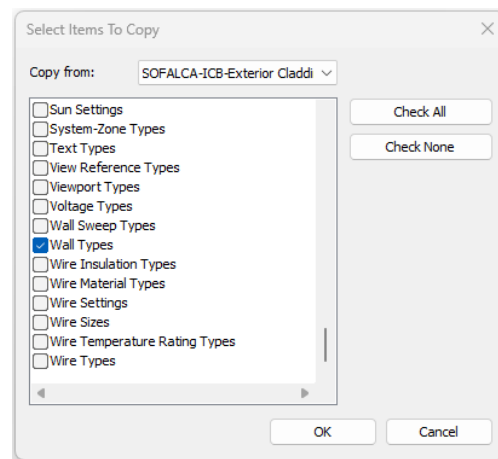
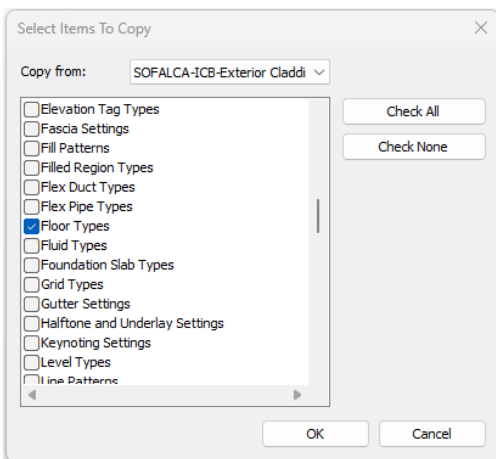
Analytical Properties	
Heat Transfer Coefficient (U)	1.0500 W/(m ² ·K)
Thermal Resistance (R)	0.9524 (m ² ·K)/W
Thermal Mass	0.94 kJ/K
Identity Data	
Type Image	
Keynote	
Model	ICB
Manufacturer	SOFALCA
Type Comments	PT: Isolamento térmico e acústico, 100% natural, produzido se
URL	https://www.sofalca.pt/
Description	
Assembly Description	
Assembly Code	
Type Mark	
Fire Rating	
Cost	
Area Per Piece	0.500000
Reference	1MCM0101009
Technical Sheet URL	https://isocor.pt/wp-content/uploads/2021/01/rev_pt.pdf
Units/m ²	2.000000
Weight kg/m ²	5.600000
Technical Sheet URL (EN)	https://isocor.pt/wp-content/uploads/2021/03/fichatec_icb_
IFC Parameters	
COBie type category	Wall Covering
CSI Masterformat 2014 Code	09 72 13
CSI Masterformat 2014 Title	Cork Wall Coverings
CSI Unifomat II Code	B2010
CSI Unifomat II Title	Exterior Walls
IFC Classification	IfcCoveringType
NBS Reference Code	45 20 70/410
NBS Reference Description	Cork tiles – agglomerated composition
Uniclass 2015 Code	Pr_35_57_71_02
Uniclass 2015 Description	Agglomerated composition cork tiles

05. Insertion and Use of Families

As these objects belong to system families, the file containing the desired solution should already be open. Next, in the project file where you wish to apply the solution, the insertion of the desired object should be done from the **MANAGE / TRANSFER PROJECT STANDARDS** tab.



You must then activate the object type that you want to transfer. In the case of floors, the **FLOOR TYPES** option must be chosen, in the case of wall coverings, the **WALL TYPES** option, or **ROOF TYPES** for ceiling solutions:





06. Quantification of materials

All files related to the various SOFALCA - ICB typologies include pre-configured tables with parameters related to the product. The number of pieces is calculated by dividing the application area by the area of a single piece.

SOFALCA ICB					
Manufacturer	Type	Type Comments	Area	Units/m ²	Units Total
SOFALCA	SOFALCA-ICB-1000x500mm-20mm	PT: Isolamento térmico e acústico, 100% natural, produzido sem aditivos. Matéria prima renovável, 100% reciclável e reutilizável, com energia incorporada muito baixa (95% auto suficiente), pegada de carbono negativa e de durabilidade ilimitada. EN: Thermal and acoustic insulation, 100% natural, produced without additives. Renewable raw material, 100% recyclable and reusable, with very low embedded energy (95% self-sufficient), negative carbon footprint, and unlimited durability.	1.00 m ²	2	2
SOFALCA	SOFALCA-ICB-1000x500mm-30mm	PT: Isolamento térmico e acústico, 100% natural, produzido sem aditivos. Matéria prima renovável, 100% reciclável e reutilizável, com energia incorporada muito baixa (95% auto suficiente), pegada de carbono negativa e de durabilidade ilimitada. EN: Thermal and acoustic insulation, 100% natural, produced without additives. Renewable raw material, 100% recyclable and reusable, with very low embedded energy (95% self-sufficient), negative carbon footprint, and unlimited durability.	1.00 m ²	2	2
SOFALCA	SOFALCA-ICB-1000x500mm-40mm	PT: Isolamento térmico e acústico, 100% natural, produzido sem aditivos. Matéria prima renovável, 100% reciclável e reutilizável, com energia incorporada muito baixa (95% auto suficiente), pegada de carbono negativa e de durabilidade ilimitada. EN: Thermal and acoustic insulation, 100% natural, produced without additives. Renewable raw material, 100% recyclable and reusable, with very low embedded energy (95% self-sufficient), negative carbon footprint, and unlimited durability.	1.00 m ²	2	2

07. Final Considerations

Future updates to the current version of the library will be made available on the [SOFALCA](https://www.sofalca.pt) website. Any questions regarding these updates should be reported via email to info@sofalca.pt.



For several years in the market, always with cork as raw material for the creation of its products, Sofalca works every day to develop processes of innovation in its business areas.

Our products are tested and comply with all the certification processes, we are a sustainable company whose main objective is the creation of natural and ecological solutions for the market, providing awareness to all the qualities of the expanded cork agglomerate.

The production process of Sofalca is sustainable, being energetically self-sufficient in 95% of its needs, by the use of its own biomass (cork powder).

More than a company, we are a sustainable concept and are primarily concerned with the environment and the creation of solutions to facilitate the day-by-day of our customers and future generations, making a highly sustainable product known.



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DESENVOLVIDO POR

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