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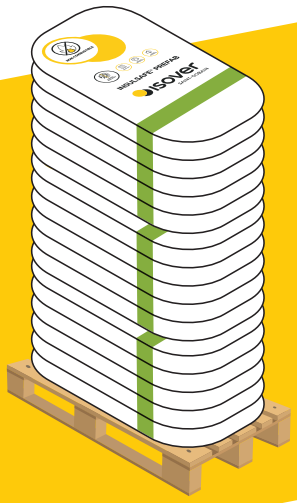

INSULSAFE® PREFAB XL

PRODUCT CHARACTERISTICS

Insulsafe® PREFAB XL is a pure blown mineral insulation. It is a loose insulating material, made of inorganic and chemically neutral material that does not contain corrosive components. Insulsafe® PREFAB XL is odorless and does not create a suitable breeding ground for mold.

USAGE

Insulsafe® PREFAB XL consists of glass wool flakes that have been specially developed for factory processing in off-site constructions, such as prefabricated timber frame and steel elements of walls, roofs, floors and ceiling. It is suitable for use in horizontal and vertical prefabricated elements.

ASSEMBLY

An innovative blower machine pressurises the glass wool flakes into the element. They form a seamless, homogeneous insulation layer, without thermal bridges. Every resource is fully optimized: nothing goes to waste.

GUARANTEED THERMAL PROPERTIES

Insulsafe® PREFAB XL offers excellent insulation, is stable, and doesn't collapse during transport, assembly, or use. Thanks to advanced blow-in technology, in which we position a large «blow-in plate» with multiple nozzles over the prefabricated element, the mechanical and thermal properties are guaranteed.

PACKAGING, TRANSPORT, STORAGE

Insulsafe® PREFAB XL pakaging is made with plastic and pallet. When handling packaging and products, it is necessary to follow the instructions on the packaging or in the instructions for use. The product should be stored under a shed or in a warehouse for protection from weather effects.

KEY FACTS

- Excellent thermal insulation properties in summer and winter.
- Excellent acoustic properties.
- Non-flammable insulation = meets the strictest class A1.
- Insulation from recycled glass.
- Health-friendly insulation without the addition of chemical preservatives.
- Low diffusion resistance - high vapor permeability.
- Meets the strictest settlement class S1 (less than 1% settlement after installation).
- Proven long-term durability and reliable functionality in practice.
- Simple machine application.
- It is not perishable by fungi, it does not swell.

More about product

www.saint-gobain.com/en/isover/insulsafeprefab

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INSULSAFE® PREFAB XL

Technical parameters	INSULSAFE PREFAB & INSULSAFE PREFAB XL				Bag weight 15 kg Bag weight 145 kg			
Thermal conductivity (EN 12667)	λ_D = 0.034 W/mK*				λ_D = 0.033 W/mK			
Insulation thickness	Frame width (mm)	Declared thermal resistance level R_D (m^2.K/W)	Minimum bag usage rate (bags per 100 m^2)		Frame width (mm)	Declared thermal resistance level R_D (m^2.K/W)	Minimum bag usage rate (bags per 100 m^2)	
			Bag weight 15 kg	Bag weight 145 kg			Bag weight 15 kg	Bag weight 145 kg
Thermal resistance	70	2,1	14,0	1,4	70	2,1	18,7	1,9
	80	2,4	16,0	1,7	80	2,4	21,3	2,2
	90	2,6	18,0	1,9	90	2,7	24,0	2,5
	100	2,9	20,0	2,1	100	3,0	26,7	2,8
	120	3,5	24,0	2,5	120	3,6	32,0	3,3
	145	4,3	29,0	3,0	145	4,4	38,7	4,0
	160	4,7	32,0	3,3	160	4,8	42,7	4,4
	180	5,3	36,0	3,7	180	5,5	48,0	5,0
	200	5,9	40,0	4,1	200	6,1	53,3	5,5
	220	6,5	44,0	4,6	220	6,7	58,7	6,1
	245	7,2	49,0	5,1	245	7,4	65,3	6,8
	270	7,9	54,0	5,6	270	8,2	72,0	7,4
	300	8,8	60,0	6,2	300	9,1	80,0	8,3
	350	10,3	70,0	7,2	350	10,6	93,3	9,7
	400	11,8	80,0	8,3	400	12,1	106,7	11,0
	450	13,2	90,0	9,3	450	13,6	120,0	12,4
	500	14,7	100,0	10,3	500	15,2	133,3	13,8
Reaction to fire	A1 (EN 13501-1)							
Water absorption	< 1 kg/m^2 (EN 14064-1)							
Water vapour transmission	1 (EN 12086)							
Material Density	35 kg/m^3 (EN 14064-1)							
Continuous glowing combustion								
Settlement	S1 (EN 14064-1)							
Durability of reaction to fire against ageing/degradation	The fire performance of mineral wool does not deteriorate with time. The euroclass classification of the product is related to the organic content, which cannot increase in time							
CE Designation code	MW-EN-14064-1-S1-WS-MU1							
Declaration of Performance	NLD003-0006-XX							

** = For offsite/prefab blowing the minimum density should always be 35 kg/m^3*

2025. 12. 01 The information provided is valid at the time of publication of the technical data sheet.
The manufacturer reserves the right to change this information.