

Isover UNIROL-PLUS

Mineral fibreglass insulation



Specification code: MW - EN 13162 - T2 - MU1

TECHNICAL SPECIFICATION

Rolled insulation mats made of Isover fibreglass wool are covered with hydrophobic fibres on the entire surface. The production method is based on the fibering of glass melt and other additives and ingredients. The mineral fibres produced are processed into the final mat shape on the production line. The insulation in the construction should be protected (vapour-proof foil, suitable protection against dust setting in case of loosely laid insulation, additional construction layers).

APPLICATION

Isover UNIROL-PLUS rolls are suitable for unloaded thermal and acoustic insulation of pitch roofs especially with insertion between rafters and additional frame as well, into partition walls, wood ceilings insulations, false ceilings, and cavities.

PACKAGING, TRANSPORT, WAREHOUSING

The Isover UNIROL-PLUS rolls are strongly compressed within the package and wrapped with PE foil. They come in MPS packs (1MPS = 24 rolls for thicknesses 100-160 mm and 12 rolls for thicknesses 180 and 200 mm, volume 4,09 m³). After unpacking, the rolls quickly acquire full thickness. Compressing makes manipulation easier and saves space in warehouses, during transport and on the construction site. Rolls have to be transported in covered vehicles under conditions preventing them from getting wet or being degraded. They are stored in covered spaces.

BENEFITS

- fire-resistant
- very good thermal insulation performance
- excellent acoustic properties in terms of noise absorption
- low vapour resistance - good water vapour penetrability
- environmentally friendly and hygienic
- completely hydrophobic
- long life span
- resistant to wood-destroying pests, rodents, and insect
- easy workability - can be cut, drilled into, etc.
- dimensional stability during temperature change

DIMENSIONS AND PACKAGING

Product	Thickness (mm)	Dimensions (mm)	Per package (m ²)	MPS (m ²)	Declared thermal resistance R _D (m ² .K.W ⁻¹)
Isover UNIROL-PLUS 8	80	7000 x 1200	8.40	201.60	2.20
Isover UNIROL-PLUS 10	100	5000 x 1200	6.00	144.00	2.75
Isover UNIROL-PLUS 12	120	4500 x 1200	5.40	129.60	3.30
Isover UNIROL-PLUS 14	140	3500 x 1200	4.20	100.80	3.85
Isover UNIROL-PLUS 16	160	3200 x 1200	3.84	92.16	4.40
Isover UNIROL-PLUS 18	180	5000 x 1200	6.00	72.00	5.00
Isover UNIROL-PLUS 20	200	4500 x 1200	5.40	64.80	5.55

Thickness tolerance classification T2 complies with the allowed tolerance according to EN 13162: -5% or -5 mm, while the higher numerical value prevails, and + 15% or + 15 mm where the lower tolerance numerical value is decisive.

TECHNICKÉ PARAMETRY

Parameter	Unit	Value	Norm	
THERMAL INSULATING PROPERTIES				
Condition set for declared values I(10°C) and (u _{dry})	-	-	EN ISO 10456	
Declared thermal conductivity coefficient λ _D	Wm ⁻¹ K ⁻¹	0.036	EN 12667	
Specific heat capacity c _d	Jkg ⁻¹ K ⁻¹	840	ČSN 730540-3	
MECHANICAL PROPERTIES				
Specific load value	kNm ⁻³	0.155	EN 1991-1-1, EN 1990	
FIRE SAFETY PROPERTIES				
Reaction to fire class	-	A1	EN 13501-1	
Maximum temperature for use	°C	200	-	
Melting temperature t _i	°C	< 1000	DIN 4102 part 17	
OSTATNÍ VLASTNOSTI				
Water vapour penetrability	Vapour resistance coefficient (μ) MU	-	1	EN 12086

RELATED DOCUMENTS

- EG compliance certificate 1486-CPD-0253

1. 1. 2012 The information is valid up to date of publishing. The manufacturer reserves right to change the data.