

Isover Multi-Komfort Passivhaus Klemmfilz

Mineral fibreglass insulation



Specification code: MW - EN 13162 - T2 - MU1 - AF5

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 MK-KF rolls are suitable for any thermal, acoustic, no-load insulation. Preferred application is for lattice works at multistoried or single storied buildings and their hanging false ceilings. Also everywhere where is recommended high thicknesses of thermal insulation to reach passive house level (ideal Multi-Comfort house level).

PACKAGING, TRANSPORT, WAREHOUSING

The Isover MK-KF rolls are strongly compressed within the package and wrapped with PE foil. They come in MPS packs (1MPS = 18 rolls, volume 3,67 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 MK-KF 10	100	7000 x 1300	9.10	163.80	2.90
Isover MK-KF 12	120	6000 x 1300	7.80	140.40	3.50
Isover MK-KF 14	140	5000 x 1300	6.50	117.00	4.10
Isover MK-KF 16	160	5000 x 1300	6.50	117.00	4.70
Isover MK-KF 18	180	4500 x 1300	5.85	105.30	5.25
Isover MK-KF 20	200	4000 x 1300	5.20	93.60	5.85
Isover MK-KF 22	220*	3500 x 1300	4.55	81.90	6.45
Isover MK-KF 24	240*	3500 x 1300	4.55	81.90	7.05
Isover MK-KF 26	260*	3500 x 1300	4.55	81.90	7.65
Isover MK-KF 28	280*	3000 x 1300	3.90	70.20	8.20

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.

TECHNICAL PARAMETERS

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	0.034	EN 12667
Specific heat capacity c _D	Jkg ⁻¹ .K ⁻¹	840	ČSN 730540-3
MECHANICAL PROPERTIES			
Specific load value	kNm ⁻³	0.195	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 _M	°C	< 1000	DIN 4102 part 17
OTHER PROPERTIES			
Specific resistance against air flow AF _r	kPa.s.m ⁻²	≥ 5	EN 29053
Water vapour penetrability	Vapour resistance coefficient (μ) MU	1	EN 12086

RELATED DOCUMENTS

- EG compliance certificate 1139-CPD-0735/09

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