

TW-KF

GLASS WOOL ROLLS



Specification code CE:MW-EN 13162-T1-MU1-AF5:



TECHNICAL SPECIFICATION

Compressed rolls made of Isover glass wool. The mats are manufactured by melting the mineral raw materials in a furnace, fiberising the melt through TEL process, spraying a binder and adding mineral oils for protection against dust and water repellence. The mineral fibres mat is compressed and packaged in rolls on the production line.

APPLICATION

Isover TW-KF mats can be used for thermal, sound and fire insulation of residential and industrial buildings where insulation is not subject to mechanical loads:

- partition walls
- walls of wooden houses
- the inner surface of vertical walls
- attics floors

PACKAGING, TRANSPORT, WAREHOUSING

Isover TW-KF mats are packaged in PE foil bags. The rolls must be shipped and stored avoiding the contact with water, or any other damages.

BENEFITS

- very good thermal insulation performance (low thermal conductivity)
- fire safety - non-combustible material
- excellent acoustic properties (high absorption coefficient)
- easy to handle, non-toxic
- easy installation in roof and wool wooden structures—the product is elastic and compressible
- low vapour flow resistance
- unlimited resistance in vertical position
- environment friendly and hygienic
- completely hydrophobic - is made water repellent
- long life span and time-stable properties
- resistant to mould, mildew, rodents and insects
- chemically neutral, non-corrosive
- easy workability - can be cut, drilled etc

RELATED DOCUMENTS

- EC compliance certificate :CE 1840 - CPR- 99/91/EC/0677 - 18
- ISO 9001

TECHNICAL PARAMETERS

PARAMETER	UM	VALUE
THERMAL INSULATION PROPERTIES		
Declared thermal conductivity λ_D	W/(m K)	0,039
FIRE SAFETY PROPERTIES		
Reaction to fire	-	A1
OTHER PROPERTIES		
Maximum temperature for use	°C	200
Air flow resistivity AF_r	kPa s/m ²	>5
Water vapour diffusion resistance factor μ MU	-	1

SIZE AND PACKAGING

Product	Thickness (mm)	Length x width (mm x mm)	Area (m ² /package)	Declared thermal resistance R_D (m ² .K/W)	Air noise attenuation index R_w^* (dB)
TW-KF	2 x 50	2 x 7500 x 600	18,00	1,25	42
TW-KF	75	2 x 9000 x 600	10,80	1,90	44
TW-KF	100	2 x 7500 x 600	9,00	2,55	47

The product will be delivered as MPS - multi pack system, 24 rolls /pallet

* - values valid for partition wall including gypsum plasterboard 12.5 mm thick - cavity entirely filled with glass wool - gypsum plasterboard 12.5 mm thick

