

Isover DOMO

Mineral fibreglass insulation



Specification code: MW - EN 13162 - T1 - MU1 - AF,5

TECHNICAL SPECIFICATION

Insulation rolls made of Isover fibreglass wool. The production is based on defibration of melt of glass and other additives and ingredients. Produced mineral fibres are then shaped into rolls on the production line. Fibres are made water-repellent on their entire surface. Insulation in construction have to be protected suitably (steam protection foil, suitable protection against dust settling in loosely laid constructions, other construction layers).

APPLICATION

Isover DOMO rolls are suitable for any thermal, acoustic, no-load insulation for hanging false ceilings, cavity insulation (increase in acoustic insulation), and non-running roof constructions.

PACKAGING, TRANSPORT, WAREHOUSING

The Isover DOMO rolls are packaged into PE foil. They come in MPS packs (1MPS = 24 rolls, volume 4,09 m³). Loose packages can be supplied after an agreement with the manufacturer. 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 DOMO TWIN 10/5	100/50	2 x 8400 x 1200	20.16	483.84	1.25
Isover DOMO TWIN 12/6	120/60	2 x 7200 x 1200	17.28	414.72	1.50
Isover DOMO TWIN 16/8	160/80	2 x 5700 x 1200	13.68	328.32	2.05
Isover DOMO 10	100	8400 x 1200	10.08	241.92	2.55
Isover DOMO 12	120	7200 x 1200	8.64	207.36	3.05
Isover DOMO 14	140	6500 x 1200	7.80	187.20	3.55
Isover DOMO 16	160	5700 x 1200	6.84	164.16	4.10
Isover DOMO 18	180	5000 x 1200	6.00	144.00	4.60
Isover DOMO 20	200	4500 x 1200	5.40	129.60	5.10
Isover DOMO 22	220	4000 x 1200	4.80	115.20	5.60

Thickness tolerance classification T1 complies with the allowed tolerance according to EN 13162: -5% or -5 mm, while the higher numerical value prevails, and higher thickness is possible.

Note: Name TWIN 10/5 - in the packing are 2 rolls, same thickness 50 mm, applicable as one roll 100 mm.

TECHNICAL PARAMETERS

Parameter	Unit	Value	Norm
THERMAL INSULATING PROPERTIES			
Condition set for declared values I(10°C) and (u _{dry})	-	-	EN ISO 10456
Declared value of the thermal conductivity coefficient λ _D (based on the set of measured values according to EN 12667)	Wm ⁻¹ K ⁻¹	0.039	EN 13162
Specific heat capacity c _d	J kg ⁻¹ K ⁻¹	840	ČSN 730540-3
MECHANICAL PROPERTIES			
Specific load value	kN.m ⁻³	0.12	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 _f	°C	< 1000	DIN 4102 part 17
ACOUSTIC PROPERTIES			
Acoustic absorption coefficient α	Application	Frequency	125 250 500 1000 2000 4000
	Directly on the wall	DOMO 6	0.45 0.80 0.90 0.90 0.85 0.95
		DOMO 12	1.00 1.00 1.00 0.95 1.00 1.00
	In front of the wall, 200 mm	DOMO 6	0.70 0.90 0.90 0.90 1.00 0.95
DOMO 12		0.95 0.95 1.00 0.95 1.00 1.00	
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 1486-CPD-0254
- Declaration of Performance 034-WS2-DoP-14-w1 (www.isover.cz/DOP)

1. 4. 2015 The information is valid up to date of publishing. The manufacturer reserves right to change the data.