

# 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 m<sup>3</sup>). 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 <sup>2</sup> )	MPS (m <sup>2</sup> )	Declared thermal resistance R <sub>D</sub> (m <sup>2</sup> .K.W <sup>-1</sup> )
Isover DOMO TWIN 10/5	100/50	2 x 7500 x 1200	18.00	432.0	1.25
Isover DOMO TWIN 12/6	120/60	2 x 6000 x 1200	14.40	345.6	1.50
Isover DOMO 8	80	9000 x 1200	10.80	259.2	2.05
Isover DOMO 10	100	7500 x 1200	9.00	216.0	2.55
Isover DOMO 12	120	6000 x 1200	7.20	172.8	3.05
Isover DOMO 14	140	5000 x 1200	6.00	144.0	3.55
Isover DOMO 16	160	5000 x 1200	6.00	144.0	4.10
Isover DOMO 18	180	4000 x 1200	4.80	115.2	4.60
Isover DOMO 20	200	3500 x 1200	4.20	100.8	5.10

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						
<b>THERMAL INSULATING PROPERTIES</b>									
Condition set for declared values I(10°C) and (u <sub>dry</sub> )	-	-	EN ISO 10456						
Declared thermal conductivity coefficient λ <sub>D</sub>	Wm <sup>-1</sup> K <sup>-1</sup>	0.039	EN 12667						
Specific heat capacity c <sub>d</sub>	Jkg <sup>-1</sup> K <sup>-1</sup>	840	ČSN 730540-3						
<b>MECHANICAL PROPERTIES</b>									
Specific load value	kN.m <sup>-3</sup>	0.12	EN 1991-1-1, EN 1990						
<b>FIRE SAFETY PROPERTIES</b>									
Reaction to fire class	-	A1	EN 13501-1						
Maximum temperature for use	°C	200	-						
Melting temperature t <sub>f</sub>	°C	< 1000	DIN 4102 part 17						
<b>ACOUSTIC PROPERTIES</b>									
Acoustic absorption coefficient α	Application	Frequency	Hz	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	
<b>OTHER PROPERTIES</b>									
Specific resistance against air flow AF <sub>f</sub>	kPa.s.m <sup>-2</sup>	≥ 5	EN 29053						
Water vapour penetrability	Vapour resistance coefficient (μ) MU	-	1	EN 12086					

### RELATED DOCUMENTS

- EG compliance certificate 1486-CPD-0254

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