

# Isover ROLLINO

## Mineral fibreglass insulation



Specification code: MW - EN 13162 - T2 - 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. Rolls in construction have to be protected suitably (steam protection foil, diffusion foil, suitable protection from dust settling, lining of false ceilings, sheathing of facades, other layers of construction).

### APPLICATION

Isover ROLLINO "slabs in a roll" are suitable for thermal, acoustic, no-load insulation in attic apartment constructions, between rafters and stretchers, into ceilings, hanging false ceilings, for insulation of partition walls, cavities and ventilated facades with a frame and two storeys maximum, into assembled floors with posts. Isover MERINO slabs have dimensions of 625 x 1200 mm, are flexible, have stable form, and are applied on paper base. Isover ROLLINO is then rolled together with the paper base which has to be removed prior use.

### RELATED DOCUMENTS

- EG compliance certificate 1139-CPD-0735/09

### DIMENSIONS AND PACKAGING

Product	Thickness (mm)	Dimensions (mm)	Packaging (m <sup>2</sup> )	Packaging (m <sup>3</sup> )	MPS (m <sup>2</sup> )	Declared thermal resistance R <sub>D</sub> (m <sup>2</sup> .K.W <sup>-1</sup> )
Isover ROLLINO 4	40	1200 x 625	18.00	0.23	324	1.05
Isover ROLLINO 5	50	1200 x 625	18.00	0.23	324	1.30
Isover ROLLINO 6	60	1200 x 625	15.00	0.23	270	1.55
Isover ROLLINO 8	80	1200 x 625	12.00	0.23	216	2.10
Isover ROLLINO 10	100	1200 x 625	9.00	0.23	162	2.60
Isover ROLLINO 12	120	1200 x 625	7.50	0.23	135	3.15
Isover ROLLINO 14	140	1200 x 625	6.00	0.23	108	3.65

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

### TECHNICAL PARAMETERS

Parameter	Unit	Value	Norm						
<b>THERMAL INSULATING PROPERTIES</b>									
Condition set for declared values l(10°C) and (u <sub>dry</sub> )	-	-	ČSN EN ISO 10456						
Declared thermal conductivity coefficient λ <sub>D</sub>	Wm <sup>-1</sup> .K <sup>-1</sup>	0.038	ČSN 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	kNm <sup>-3</sup>	0.14	ČSN EN 1991-1-1 ČSN EN 1990						
<b>FIRE SAFETY PROPERTIES</b>									
Reaction to fire class	-	A1	ČSN 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	Frekvence	Hz	125	250	500	1000	2000	4000
	In front of the wall, 60 mm	ROLLINO 2	-	0,10	0,35	0,60	0,75	0,90	0,90
		ROLLINO 5	-	0,25	0,60	0,90	1,00	1,00	1,00
		ROLLINO 8	-	0,45	0,75	1,00	1,00	1,00	1,00
	In front of the wall, 150 mm	ROLLINO 2	-	0,20	0,55	0,85	0,85	0,90	0,90
		ROLLINO 5	-	0,40	0,75	1,00	1,00	1,00	1,00
ROLLINO 8		-	0,65	1,00	1,00	1,00	1,00	1,00	
<b>OTHER PROPERTIES</b>									
Specific resistance against air flow AF <sub>r</sub>	kPas.m <sup>-2</sup>	≥ 5	ČSN EN 29053						
Water vapour penetrability	Vapour resistance coefficient (μ) MU	-	1	ČSN EN 12086					

1. 2. 2012 The information is valid up to date of publishing. The manufacturer reserves right to change the data.