Isover R150

Multi-layer vapor barrier with reinforcing mesh and reflective layer

TECHNICAL SPECIFICATION

Vapor barrier foil with reflective coating, extremely low vapor permeability and high resistance to mechanical stress.

USE

Multi-layer vapor barrier with reinforcing mesh and reflective layer, used as a barrier against moisture penetration from interior spaces into thermal insulation in pitched and flat roof systems, walls, and ceilings. Overlaps must be joined with the recommended connecting tapes. Before installation, read the enclosed leaflet on the roll.

BENEFITS

- Excellent vapor barrier properties.
- Highly mechanically resistant.
- The reflective layer reflects radiant heat.
- Roll dimensions allow for easy handling and installation.

APPLICATION

Isover R150 is applied horizontally or vertically to the inner side of thermal insulation. Individual strips of foil and all longitudinal joints must be taped with isover SP AL tape, which ensures both a vapor-tight joint and a better appearance. Connections to porous materials (masonry) are made using Isover Vario® DoubleFit+ sealant.

PACKAGING, TRANSPORT, WAREHOUSING

We recommend storing Isover R150 rolls on a flat, clean surface without exposure to UV radiation and under the conditions specified in the current Isover price list, which excludes their deterioration.

GENERAL CHARACTERISTICS

Properties	Method	Units	Nominal value	Tolerance	
				Minimum	Maximum
Lenght	EN 1848-2	[m]	50	-	-
Width	EN 1848-2	[m]	1.5	-0.0075	+0.0225
Straightness	EN 1848-2	-	complies	-	-
Thickness	EN 1849-2	[mm]	0.27	-0.05	+0.05
Area weight	EN 1849-2	[g/m²]	150	-10	+10
Obvious defects	EN 1850-2	-	no obvious defects		

Isover
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TECHNICAL PARAMETERS

Properties	Method	Units	Nominal value	Tolerance	
				Minimum	Maximum
Reaction to fire	EN 13501 EN 11925-2	[třída]	E	-	-
Water resistance	EN 1928	-	complies	-	-
Water vapor permeability (equivalent diffusion thickness s_d)	EN 1931	[m]	180	-50	+120
Tensile strength in longitudinal/transverse direction	EN 12311-2 EN 13859-1	[N/50mm]	>280/>250	-	-
Ductility in longitudinal/transverse direction	EN 12311-2 EN 13859-1	[%]	>15/>10	-	-
Resistance to tearing in longitudinal/transverse direction	EN 12310-2 EN 13859-1	[N]	>170/>170	-	-
Impact resistance	EN 12691	-	npd	-	-
Joint strength	12317-2	[N]	npd	-	-
Resistance to deformation under load	EN 13984	-	npd	-	-
Alkali resistance	EN 13984 EN 12311-2	-	npd	-	-
The effect of artificial aging on water vapor permeability	EN 1296 EN 1931	-	complies	-	-
Hazardous substances	-	-	npd	-	-

Explanatory notes: npd - no performance determined

More about the product

www.isover.cz/en/products/doplnky/isover-r150

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