

Isover R150

A multi-layer vapor barrier with a reinforcing grid and a reflective layer

PRODUCT CHARACTERISTICS

EN 13984:2013

Waterproofing strips and foils – Plastic and rubber vapor barriers – Definition a characteristics.



USAGE

A multi-layer vapor barrier with a reinforcing grid and a reflective layer is used as a barrier against penetration of moisture from internal spaces into thermal insulation in pitched roof systems and flat roofs, walls and ceiling. The overlaps must be connected with the recommended connecting tapes. Before assembly, read the attached leaflet with the roll.

The product does not contain dangerous substances.

GENERAL CHARACTERISTICS

Properties	Method	Units	Nominal value	Tolerance	
				Minimum	Maximum
Length	EN 1848-2	[m]	50	-	-
Width	EN 1848-2	[m]	1.5	-0.0075	+0.0225
Directness	EN 1848-2	-	complies	-	-
Thickness	EN 1849-2	[mm]	0.27	-0.05	+0.05
Mass per unit area	EN 1849-2	[g/m ²]	150	-10	+10
Obvious defects	EN 1850-2	-	no obvious defects		

TECHNICAL PARAMETERS

Properties	Method	Units	Nominal value	Tolerance	
				Minimum	Maximum
Reaction to fire	EN 13501 EN 11925-2	[class]	E	-	-
Waterproof	EN 1928	-	complies	-	-
Water vapor permeability (equivalent diffusion thickness s_d)	EN 1931	[m]	180	-50	+120
Tensile strength in the longitudinal/transverse direction	EN 12311-2 EN 13859-1	[N/50mm]	>280/>250	-	-
Ductility in the longitudinal/transverse direction	EN 12311-2 EN 13859-1	[%]	>15/>10	-	-
Tear resistance in the 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	-	-
Effect of artificial aging on water vapor permeability	EN 1296 EN 1931	-	complies	-	-
Hazardous substances	-	-	npd	-	-

Explanations: npd – no performance determined.

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The information provided herein is valid at the time of publication. The manufacturer reserves the right to change the data.