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LDS 35 - Vapour block

Product description

LDS 35 is a multi layer reinforced vapour block made of Polyolefine. It is transparent and prevents the penetration of moist and vapour into the thermal insulation regardless of whether it is used in the structures of pitched or horizontal roofs, vertical walls or ceilings. LDS 35 is used in combination with the outer vapour permeable waterproof foil. The combination of a perfect vapourproof layer underneath the thermal insulation and the vapour permeable membrane on the outside prevents the occurrence of moist inside the thermal insulation and prevents condensation, so that it ensures the functionality of the thermal insulation material. Very low flammability of LDS 35 makes this product very desirable for use in building structures with high fireproof requirements.

Roll width	Roll length	Roll surface	Roll weight	Roll packaging on a palette
[m]	[m]	[m ²]	[kg]	[roll]
1,5	50	75	7,5	60

Basic product standard

EN 13984

Documents

- EG – statement on compliance
- Report on classification of fireproof characteristics
- Report on the inspection of permeability of water vapour
- Report on water tightness

Knauf Insulation LDS 35

Technical characteristics LDS 35

Characteristics	Standard	Units	Nominal value
Diffusion of water vapour(Sd)	EN 1931	[m]	35
Thickness	EN 1849-2	[mm]	0.17
Weight per m ²	EN 1849-2	[g/m ²]	90
Flammability	EN 13501-1, EN 11925-2	[Class]	Class F
Resistance to tearing	EN 12310-2, EN 13859-1	[N]	>135 / >125
Elongation	EN 12311-2, EN 13859-1	[%]	>15 / >15%
Maximum strain	EN 12311-2, EN 13859-1	[N/50mm]	>210 / >190
Temperature resistance	-	[°C]	-40 / +80

Application

LDS 35 is applied parallel or transversal to the rafter, directly underneath the thermal insulation. All overlaps are sealed with LDS Solifit tape. All damages due to handling, such as holes on the foil or seams in the walls are also fixed with the tape. This sealing ensures it to be vapour and air proof which is important for the prevention of moist penetrating into the thermal insulation. The product is easy to handle and apply.

Packaging and storage

60 rolls can be placed on a palette and each roll is packaged in a PE plastic film. Rolls are stored in a horizontal position on a clean flat surface, not exposed to UV radiation.

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