



Jan 2016

## Homeseal LDS 200

### Vapour block

With reflecting aluminum coated layer

#### Product description

LDS 200 works as vapor barrier with reflective aluminum coating on polyethylene foil with reinforcing mesh. LDS 200 prevents the penetration of water vapor from the interior of the insulation. It can be used in flat and sloping roofs of structures, as well as vertical construction of the wall.

LDS 200 is used in combination with a diffusion foil (vapor-permeable waterproof sheet) from outside the structure. Diffuse across the film can be taken large amount of water vapor before it can pass through the vapor barrier. This prevents condensation within the insulation and to its full function.

LDS 200 provides a complete wind aversion construction.

Reflective layer reflects heat back into the inner space, thus saving energy for heating.

#### 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

Roll width	Roll length	Roll surface	Roll weight	Roll packaging on a palette
[m]	[m]	[m <sup>2</sup> ]	[kg]	[roll]
1,5	50	75	8	50

## Knauf Insulation LDS 200

### Technical characteristics LDS 200

Characteristics	Standard	Units	Nominal value
Diffusion of water vapour(Sd)	EN 1931	[m]	200
Thickness	EN 1849-2	[mm]	0.2
Weight per m <sup>2</sup>	EN 1849-2	[g/m <sup>2</sup> ]	100
Flammability	EN 13501-1, EN 11925-2	[Class]	E
Resistance to tearing	EN 12310-2, EN 13859-1	[N]	>110 / >110
Elongation	EN 12311-2, EN 13859-1	[%]	45 / 80
Maximum strain	EN 12311-2, EN 13859-1	[N/50mm]	>230 / >230
Temperature resistance	-	[°C]	-40 / +80

### Application

LDS 200 is applied horizontally and vertically on the inner side of the thermal insulation. All seams must be joined with adhesive tape LDS Solifit which ensures vapour proof joint. Bonding with porous materials (walls) is done by liquid glue. The adhesive components ensure that the structure is vapour proof and wind proof, prevent the penetration of water vapour into the structure. The roll dimensions enable simple manipulation and application. To enable reflection it is necessary to form an air cushion, 4-6 cm thick between the foil and the interior coating.

### Packaging and storage

50 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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