



Isover DF2

Diffusion film for pitched roofs

PRODUCT CHARACTERISTICS

The Isover DF2 membrane is a two-layer, insurance waterproofing with a self-adhesive joint that ensures windproofness of the longitudinal overlap. It is designed to protect the pitched roof from moisture. Not subject to rot, mold, scab and is harmless to health.



USAGE

The Isover DF2 foil can be used as a contact membrane for formwork, or thermal insulation. This is a so-called supplementary waterproofing layer (DHV), together with the roofing, it ensures the waterproofness and windproofness of the roof coats. Can be used in pitched roof systems declared in the tightness class DHV 3-6. It stands out for its high strength and resistance to pulling out of the nail. The team reduces the risk of damage to the membrane due to stepping on it during installation. Minimal the slope for use is 5°.

BENEFITS

- For tightness class 2 systems.
- Area weight 270 g/m².
- Minimum slope of use 5°.
- High strength.
- High resistance to nail pullout.

PACKAGING, TRANSPORT, STORAGE

We recommend storing Isover DF2 rolls on a flat, clean surface without access to UV radiation and under the conditions specified in the company's current price list Isover, excluding their depreciation. Package size is 1.5 × 50 m, weight 20.5 kg.

CONSTRUCTION

- Before laying the Isover DF2 diffusion film, it is necessary to ensure that the surface is clean, dry, firm and even.
- It is laid horizontally directly on the rafters or full formwork, where it is attached with mechanical stapler clips or corrosion-resistant nails with flat head (the distance between the rafters must not be greater than 1.2 m).
- The Isover DF2 membrane is secured to the structure with contralats (min. 40 mm thick).
- It is necessary to prevent splashing of the Isover DF2 diffusion film with chemical substances (oils, wood impregnation, etc.)
- When stretching the membrane, there must be no bulges or folds.
- Try to minimize the number of longitudinal connections of the membrane strip (the use of whole rolls is recommended). Overlaying of vertical overlaps is carried out under counterlattice and must be at least 100 mm and it is advisable to connect them with double-sided adhesive tape. The overlapping of horizontal overlaps is carried out according to the marking line on a roll (approx. 15 cm) in tape-to-tape position. (PVC-based tapes must not be used)
- It is necessary to remove all obstacles preventing water from flowing through the membrane.
- The minimum slope of the roof is 5° - if the assembly instructions are followed.
- It is necessary to cover the Isover DF2 film against direct and indirect UV radiation as soon as possible. The maximum time for the temporary cover feature is 8 weeks.
- If a temporary covering is required, it is necessary to use the Isover DF2 film in tightness class 3 with undersealing of the contralats and gluing of the overlap.
- When installing the Isover DF2 diffusion film, valid norms, regulations and rules must be observed.

DIMENSIONS

Designation	Unit	Value	Tolerance		Technical specification
Length	[m]	> 50			EN 1848-2
Width	[m]	1,5	-0,5 %	+1,5 %	EN 1848-2
Area weight	[g/m ²]	270	-20	+20	EN 1849-2

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TECHNICAL PARAMETERS

Designation	Unit	Value	Tolerance		Technical specification
Mechanical properties					
Tensile strength in longitudinal / transverse direction	[N/50mm]	360 / 240	-60 / -40	+60 / +50	EN 13859-1:2010
Tensile strength after artificial bending in the longitudinal / transverse direction	[N/50mm]	350 / 230	-60 / -40	+60 / +50	EN 13859-1:2010
Elongation in longitudinal / transverse direction	[%]	25 / 25	-10 / -10	+15 / +15	EN 13859-1:2010
Elongation after artificial bending in longitudinal / transverse direction	[%]	23 / 23	-9 / -9	+15 / +15	EN 13859-1:2010
Tear resistance in longitudinal / transverse direction	[N]	160 / 190	-40 / -50	+50 / +60	EN 13859-1:2010
Flexibility at low temperatures	[°C]	-40	-	-	EN 13859-1:2010
Anti-fire properties					
Reaction to fire class	[-]	B	-	-	EN 13859-1:2010
Moisture properties					
Resistance to water penetration	[class]	W1	-	-	EN 13859-1:2010
Resistance to water penetration after artificial aging	[class]	W1	-	-	EN 13859-1:2010
Vapor permeability (equivalent diffusion thickness S_d)	[m]	0.02	-0.01	+0.04	EN 13859-1:2010
Other properties					
Hazardous substances	[-]			npd*	

* npd = no performance determined

More about the product

www.isover.cz/produkty/doplanky/isover-df2



1/7/2024 The information provided herein is valid at the time of publication. The manufacturer reserves the right to change the data.