

# Mapeplan® VB PE



## Vapour control layer and for generic uses

### DESCRIPTION

Mapeplan® VB PE is a vapour control layer in low density LDPE polyethylene, of transparent colour, having a nominal thickness of 0,30 mm.

### APPLICATION FIELDS

LDPE sheet for generic use.  
Separation and anti-imbibition layer.  
Synthetic sheet for vapour control layers (barrier/vapour restrain).  
Functional element for hot roof build-ups, to be applied on the "warm side" of the thermal insulation.

### TECHNICAL CHARACTERISTICS

Mapeplan® VB PE has excellent mechanical and workability characteristics.

- Controlled resistance during vapour passage
- Excellent workability and flexibility
- Excellent mechanical resistance
- Excellent ageing resistance

### PACKAGING

Dimensions of sheet	3,00 x 50,00 m
Nominal thickness	0,30 mm
Roll length	50 m
Roll width	1,50 m (sheet folded in half)
Roll weight	45 kg (indicative)

### STORAGE

Store horizontally, shelter from sun and bad weather in a dry place.

## SAFETY INSTRUCTION

Mapeplan® VB PE is not considered dangerous according to the current safety regulation for the classification of goods and substances. The safety datasheet is therefore not compulsory for the purchase, transport and application.

## TECHNICAL DATA

### PRODUCT PROPERTIES

Product	Vapour control layer in low density LDPE. It does not contain resins or glues.
Colour	Transparent
Standard	EN 13984 type B

### CHARACTERISTICS

Visible defects EN 1850-2	None
Length EN 1848-2 (m)	50 (±5%)
Width EN 1848-2 (m)	3,0 (-0/+5%)
Straightness EN 1848-2 (mm)	≤75
Mass per unit area EN 1849-2 (kg/m²)	0,277 (±6%)
Average thickness EN 1849-2 (mm)	0,30 (±15%)
Vapour diffusion resistance EN 1931 (μ)	290.000 (±60.000)
Elongation longitudinal EN 12311-2 (%)	310 (±100%)
Elongation transversal EN 12311-2 (%)	370 (±100%)
Tear resistance EN 12310-1 (N)	≥70
Tensile strength at break longitudinal EN 12311-2 (N/50mm)	220 (±20%)
Tensile strength at break transversal EN 12311-2 (N/50mm)	220 (±20%)
Resistance to Impact EN 12691 (mm)	≥70
Durability of water vapour resistance against ageing at 70°C for 84 days EN 1296 (%)	-20
Reaction to fire EN 13501-1	Class F

We reserve the right to modify without prior notice the characteristics of our products, to continuously improve them.

### WARNING

Although the technical details and recommendations contained in this product report correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical applications: for this reason, anyone who intends to use the product must ensure before handing that is suitable for the envisaged application: in every case, the user alone is fully responsible for any consequence deriving from the use of the product.

**N.B. FOR PROFESSIONAL USE ONLY.**



[www.mapei.com](http://www.mapei.com)

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