

MG POLYTEX®

145 AG

Polytex® 145AG is a water-resistant breathable non-woven membrane provided with an aluminium facing. The aluminium side has extremely low emissivity resulting in a 97% reflection of infrared radiation. Polytex® 145AG is thus a fully waterproof spunbond membrane that, in addition to providing breathable protection for the structure, also significantly improves the insulation value.

Application

Polytex® 145AG is used as a waterproof breathable membrane in facade and roof constructions. The membrane is applied to the cold side of the structure. Polytex® 145AG can be applied behind masonry as well as closed cladding. The reflection layer works optimally in weakly ventilated facades since a ventilation cavity is always present here. Polytex® 145AG may be applied directly against hard or soft substrates. When Polytex® 145AG is applied to the roof, the reflection only contributes to a reduction in heating in the summer. Since the space under roofing is highly ventilated, a higher insulation value should not be used here. Polytex® 145AG protects the structure and provides optimal insulation and moisture management.

Benefits

- ✓ Limits space heating in the summer period
- ✓ Improving insulation value
- ✓ Makes optimum use of existing cavity in facade
- ✓ Triple function; waterproofing, breathable and insulating
- ✓ High tensile and tear resistance

Description	Width	Length	Article no.	EAN code	Quantity	Weight
Polytex® 145AG	1,50 m 3,00 m	50 m 50 m	8215015000 8215030000	8714672999969 8714672999952	30 roll / pallet 30 roll / pallet	10 kg 20 kg



Facade



Roof



On hard surfaces



On soft surfaces



Waterproof



One-sided reflection



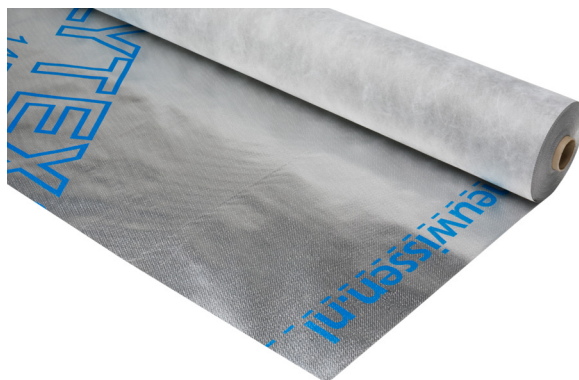
Breathable



Resistant up to 80°C

Specifications

Open construction phase 1 month	Temperature resistance - 40 °C / 80 °C
Weight 143 gr / m²	Water vapour resistance Sd < 0.18 m
Nail tear resistance initial (length) 130 N	Water tightness W1
Nail tear resistance initial (cross) 160 N	Fire class E
Tensile strength initially (length) 260 N / 50 mm	Elongation at break (length) 80 %
Tensile strength initially (cross) 160 N / 50 mm	Elongation at break (cross) 100 %
Water vapour transmission 120 g / m² / day	Emmissivity (after aging) 0.03



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Installation

Polytex® 145AG may be processed directly against hard and soft substrates. Process the printing on the membrane legibly toward the cladding. Maintain a cavity of 20 to 40 mm for optimal thermal resistance. Apply Polytex® 145 AG in a shingle fashion. For overlaps, maintain a minimum of 150, and a maximum of 200mm overlap. Apply Polytex® 145AG to the structure using staples. Tape off staples and overlaps with VASTR® Aluminium tape basic. Seal penetrations and connections wind and watertight with VASTR® Butyl tape and/or Tyvek® FlexWrap tape. For optimal water resistance and durability, VASTR® Butyl tape should be applied under the batten.



Related products

Tyvek®

FlexWrap tape



MG VASTR®

Aluminium tape basic



MG VASTR®

Butyl tape



MG VASTR®

Total tape



Description

Tyvek® FlexWrap tape
 VASTR® Aluminium tape basic
 VASTR® Butyl tape
 VASTR® Total tape (black)
 VASTR® Total tape (black)
 VASTR® Total tape (white)

Width

60 mm
 75 mm
 30 mm
 60 mm
 100 mm
 60 mm

Length

10 m
 25 m
 20 m
 25 m
 25 m
 25 m

Article no.

8106001000
 8107502502
 8103002000
 8106002502
 8110002501
 8106002501

EAN code

5450208029771
 8714672002638
 8714672005233
 8714672000474
 8714672000481
 8714672999884

Quantity

3 roll / box
 16 roll / box
 8 roll / box
 10 roll / box
 6 roll / box
 10 roll / box



INSTALLATION VIDEO

Not quite sure yet how best to apply Polytex® 145AG? Scan the QR code and watch our installation videos.



All our products are intended exclusively as building or construction materials. Therefore, the user of our products is expected to be familiar with the basic principles of building physics, the regionally applicable building standards and the official national building regulations. Meuwissen Gerritsen B.V. and/or our employees are not liable for any damage resulting from (careless or incorrect) use of our products.



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