



DUSEAL AP (SELF ADHESIVE MEMBRANE)



DESCRIPTION

DUSEAL AP is an excellent heat and light reflective special self-adhesive waterproofing membrane reinforced with high quality non-woven Polyester for excellent tensile and mechanical properties. The top surface of the membrane is covered with superior laminated aluminum foil that is corrosion and alkali resistant and the bottom surface with a siliconized release foil or paper. The elastomeric nature of the synthetically modified coating is designed as a homogeneous mixture of a special bitumen and high quality type SBS elastomer, which ensures high performance product quality. The polymer rich mixture is used to saturate and to coat both sides of polyester mat to the required thickness of the membrane.

FEATURES AND BENEFITS

- Excellent water vapor barrier
- Aluminum faced; prevents solar heat gain; reduces heat ageing; more membrane life
- Indirect saving on energy
- Excellent bonding strength
- Superior dimensional stability
- Excellent flexibility at low temperatures
- High tensile and tear strength
- Excellent durability
- Easy application

SPECIFICATION AND COMPLIANCE

DUSEAL AP membranes are tested to ASTM, UEAtc and all other relevant international standards.

MAIN USES

DUSEAL AP is the ideal membrane for:

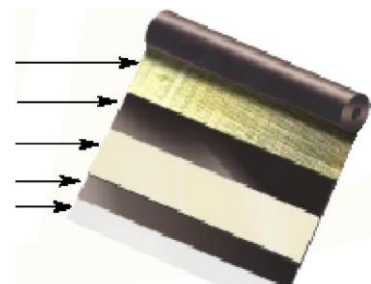
- Water vapor barrier applications
- Waterproofing and light and heat reflective exposed applications
- Application in ducts, tunnels and vertical structures
- Applying directly on thermal insulation boards (Expanded Polystyrene, Extruded Polystyrene, Polyurethane, Glass and Rock wool) to form a waterproofing, vapor barrier and thermal insulation combined system

QUALITY ASSURANCE AND WARRANTY

Duproof is an ISO 9001 Quality Assured Company and DUSEAL AP membranes carry a material warranty against any manufacturing defects



Aluminum Foil
SBS - Modified Self Adhesive Bitumen
Non-Woven Polyester Reinforcement
SBS - Modified Self Adhesive
Siliconized Release Foil / Paper



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METHOD OF APPLICATION

The surface to be waterproofed should be dry, smooth, and free from dust, dirt, protrusions and cavities. The surface should be primed thoroughly with Duproof Primer and allow to dry. The drying time depends on the porosity of the substrate and the environmental conditions (approx. 0.5 - 3 hrs.) Install **DUSEAL AP** by removing the release foil/paper and unrolling the membrane along with it. Press the membrane firmly and carefully to the prepared surface in order not to entrap air between the substrate and the membrane. The membrane especially at the overlaps should be firmly pressed down from the center to the sides, to ensure a good seal and to remove entrapped air.

DUSEAL AP in general can be adhered to various types of substrate (concrete, concrete blocks, bricks, foam concrete, fiber cement board, wood boards and metal substrates) by removing the siliconized foil / paper from the bottom side.

PACKING AND STORAGE

DUSEAL AP membranes are supplied in rolls 1m x 15m; shrink wrapped on pallets. Keep rolls upright on pallets under shade. **DUSEAL AP** pallets should not be stacked one over the other.

HEALTH AND SAFETY

There are no direct health hazards associated with **DUSEAL** membranes. Normal precautions for hot and volatile substances should be observed during application. Refer to our MSDS sheets for advice.

TYPE & FINISH

Thickness	mm	1.5	1.6	1.8	2.0
Nominal weight	Kg / m ²	1.7	1.8	2.0	2.2
Dimensions (length x width)	m	15 x 1			
Top Surface	-	Alkali proof Aluminum Foil (A)			
Reinforcement	g/m ²	100 (Non-woven Polyester)			
Bottom Surface	-	Siliconized removable paper/foil			

To order specify thickness, e.g. DUSEAL AP 1.5 mm for 1.5 mm thickness

TECHNICAL DATA

PROPERTY	UNIT	TEST METHOD	VALUE
Softening point	[°C]	ASTM D 36	110
Flexibility at low temperature	[°C]	DIN 52123	≥ - 20
Heat resistance @ 90°C / 2 hrs	[°C]	UEAtc	No flow
Water absorption after 24 hrs.	%	ASTM D 570	< 0.15
Elongation (L/T) Compound	%	ASTM D 412	>1000
MECHANICAL PROPERTIES			
Tensile Strength (L/T)	N/5 cm	UEAtc	400/350
Elongation (L/T)	[%]	UEAtc	20/30
Tear Resistance (L/T)	N	ASTM D-4073	200/150

Tolerance based on testing standard.

Tolerances on nominal values shown are as per UEAtc directives for polymer modified bitumen membranes. These data are correct at the time of printing but may be changed without any prior notice subject to clients requirements availability of raw materials or other conditions. This data sheet supersedes all previous publications pertaining to this product. All reasonable care has been taken in preparing this document, which to the best of our knowledge is accurate and true. Recommendations and suggestions are made in good faith and should only be considered for general guidance. No liability is assumed or taken by us in relation to the application, as usage conditions and any labour involved are beyond our control.