



DESCRIPTION

DUSEAL TH is a special Double sided self-adhesive SBS modified water-proofing membrane specially designed where a subsequent layer (e.g. thermal insulation on building facades) needs to be applied over the membrane. **DUSEAL TH** is manufactured with a choice of reinforcements such as polyester mat, glass fiber or special aluminum composite that offers outstanding resistance to heat and vapor in thermal insulation systems. The top and bottom surfaces of the membrane are covered with siliconized peel off paper or foil.

The **DUSEAL** range belongs to the Elastoseal group of membranes produced using a special grade of bitumen modified with virgin SBS polymer. The polymer-rich mixture is used to saturate and to coat both sides of glass fiber mat to the required thickness of the membrane.

DUSEAL TH (SELF ADHESIVE MEMBRANE)



SPECIAL FEATURES

- Ease of application for subsequent layer
- High adhesion to various substrate (concrete, fiber-cement, wood, metal etc.)
- Excellent bond to the cap sheets, thermal insulation boards etc
- Good dimensional stability
- Water and vapor proof
- Choice of different reinforcements

SPECIFICATION COMPLIANCE

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

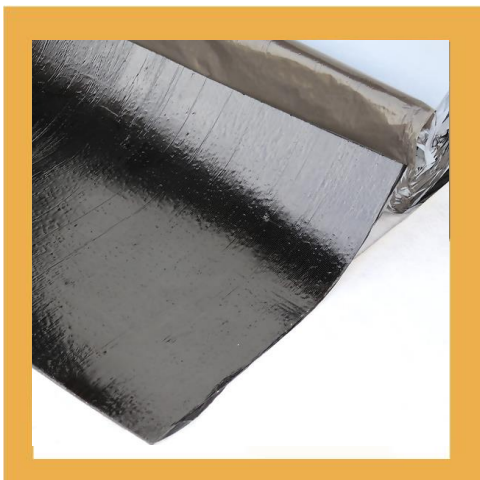
MAIN USES

DUSEAL TH is designed for use as water and vapor-proof underlay in multi-layer applications. Such applications include but are not limited to

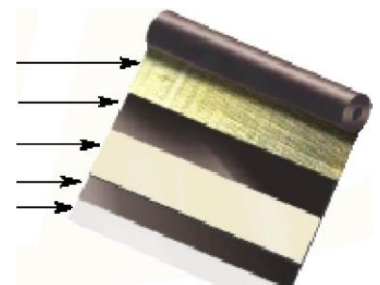
- Façade vapor barrier under thermal insulation boards such as expanded and extruded polystyrene, polyurethane, glass and rock wool.
- Under cap sheets on parapets, etc, e.g. with DUSEAL AG
- As a first layer in double layer applications e.g. with DUSEAL PS 250
- For use with light protection boards such as DUBOARD 3 mm, 3.5 mm or 4 mm

QUALITY ASSURANCE AND WARRANTY

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



Siliconized Release Foil / Paper
 SBS - Modified Self Adhesive Bitumen
 Polyester or Glass fibre or Aluminium SBS
 - Modified Self Adhesive Bitumen
 Siliconized Release Foil / Paper



DUSEAL TH (SELF - ADHESIVE MEMBRANE)

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METHOD OF APPLICATION

Surfaces onto which the membrane is to be applied must be sound, clean and dry. Dust, loose material and protrusions must be removed and cracks, holes etc. made good.

Priming: Apply one coat of **DUPRIME** solvent based bituminous primer to all surfaces at 5-6 m²/lit and allow to dry. Primed surfaces must be covered within the same day. If left exposed for longer periods, clean and re-prime before applying the membrane.

Membrane application: Position, measure and cut the membrane carefully as required before installation. Starting from one end, remove the release film and unroll the membrane, pressing firmly by hand and/or roller from the top to ensure full bond with no air pockets. Maintain a minimum of 80mm side laps and 150mm end laps between rolls and stagger the joints where possible. Press and roll laps from top to ensure a continuous seal.

Subsequent layer. The release foil on the top surface should be kept in place until immediately before installing the subsequent layer. Once ready, remove the siliconized foil or paper from the top surface and apply the second layer or board, pressing firmly onto the DUSEAL Th membrane below.

Contact the technical department of your local distributor for advice.

PACKING AND STORAGE

DUSEAL TH membranes are supplied in rolls 1m x 15m; shrink wrapped on pallets. Keep rolls upright on pallets under shade. **DUSEAL TH** 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 AND FINISH

Thickness	(mm)	1.5	2.0
Nominal weight (Approx)	(Kg / m ²)	1.7	2.2
Dimensions (length x width)	(m)	15 x 1	
Coating		SBS- self-adhesive modified bitumen	
Type of carrier		Spun Polyester (P) or Glass fibre (G) or Aluminium (A) Composite	
Top		Siliconized removable foil / paper	
Bottom		Siliconized removable foil / paper	

To order specify reinforcement and thickness e.g. DUSEAL Th P 1.5 mm for polyester reinforcement and 1.5 mm thick sheet membrane. Specific length & thickness available upon request.

TECHNICAL DATA

PROPERTY	UNIT	TEST METHOD	VALUE
COMPOUND PROPERTIES			
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
MECHANICAL PROPERTIES			
Carrier			Glass 60
Tensile strength (LIT)	(N/5 cm)	UEAtc	300 / 200
Elongation (L / T)	(%)	UEAtc	2 / 2
Adhesion to primed concrete	N / mm	ASTM D 1000	> 1.8

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.