



DUSEAL CXL

(SELF - ADHESIVE MEMBRANE)



DESCRIPTION

DUSEAL CXL is a high quality self-adhesive SBS modified waterproofing sheet membrane reinforced with rot proof reinforcement to enhance the dimensional stability. The self-adhesive bottom surface is laminated with Siliconized release foil or paper and the top surface of the membrane is laminated with a cross laminated special multi-layer polymeric foil. It is used for a variety of waterproofing and damp proofing applications where the requirements are rigorous.

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 reinforcement mat.

SPECIAL FEATURES

- Used as a waterproofing membrane and vapor barrier
- Excellent bonding to vertical and horizontal surfaces
- Superior tensile properties
- Good di-electric strength
- Improved heat stability
- Good flexibility at low temperatures
- Excellent resistance to weather, and Ultra violet radiation
- Easy application

SPECIFICATION COMPLIANCE

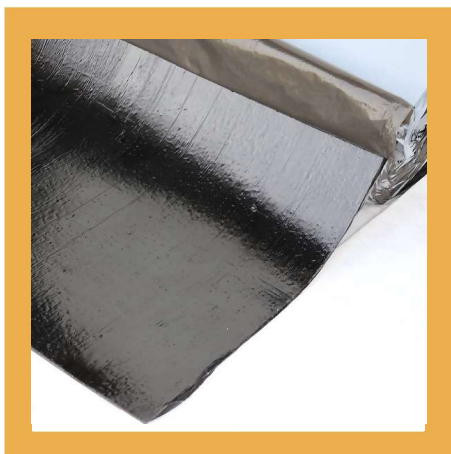
DUSEAL CXL membranes are tested to ASTM, UEAtc and other relevant international standards.

MAIN USES

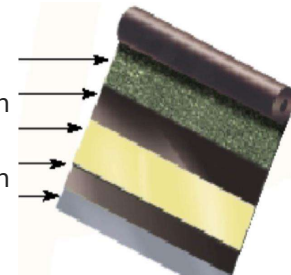
- Robust and ideal waterproofing and damp proofing membrane specially designed for concrete protection.
- Applied as a damp-proof course for tanking below ground structures, foundations, subways and retaining walls.
- Used directly on thermal insulation boards (Expanded Polystyrene, Extruded Polystyrene)
- Substructure waterproofing to foundations, footings, retaining walls, bridges, tunnels, manholes, etc.
- Under roof shingles in pitched roofs tiles in balconies, terraces, etc

QUALITY ASSURANCE AND WARRANTY

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



Cross Laminated Polymeric Foil
 SBS - Modified Self Adhesive Bitumen
 Rot Proof Reinforcement
 SBS - Modified Self Adhesive Bitumen
 Siliconized Release Foil / Paper



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METHOD OF APPLICATION

Surfaces, onto which the membrane is to be applied must 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.

Protection if required: Once laid, the membrane must be protected from long-term exposure, construction abuse and backfill, preferably within 24 hours. On vertical areas Duproof **DUBOARD** protection boards is recommended; on horizontal surfaces a minimum 25 mm thick sand-cement screed may be used.

Contact the technical department of your local distributor for advice.

PACKING AND STORAGE

DUSEAL CXL membranes are supplied in rolls 1m x 15m; shrink-wrapped on pallets. Keep rolls upright on pallets under shade. **DUSEAL CXL** 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	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		Cross laminated polymeric foil			
Reinforcement	g/m ²	Rot proof			
Bottom Surface		Siliconized removable paper / foil			

To order specify thickness e.g. DUSEAL CXL 1.6mm for 1.6mm thick self-adhesive sheet membrane. Specific length 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, 2 hrs. @90°C		UEAtc	No flow
Elongation (L/T) Compound	%	ASTM D 412	>1000
MECHANICAL PROPERTIES (Film)			
Tensile Strength (L/T)	(MPa)	ASTM D638	50/50
Elongation (L/T)	%	ASTM D 638	300/300
Tear Resistance	N/mm	ASTM D 1004	250/250
MECHANICAL PROPERTIES (Membrane)			
Adhesion to primed concrete	N/mm	ASTM D 1000	1.84
Adhesion to self	N/mm	ASTM D 1000	2.06
Water vapor transmission	-----	ASTM E 96	0.18 g/m ² /24hrs
Puncture Resistance	N/mm	ASTM E 154	300 N@65mm
Water absorption	%	ASTM D 570	0.1@24hrs
			0.86@35 days
Chemical Resistance	-----	ASTM D 543	No softening, no loss of adhesion

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.

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