



DESCRIPTION

DULAS QQG is a high-quality polymer-rich SBS modified bituminous membrane with a reinforcement core of tough glass fiber used as a first layer in multi-layer roof waterproofing systems.

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

DULAS QQG (SBS-MODIFIED MEMBRANE)



FEATURES AND BENEFITS

- High heat resistance
- Excellent rot and corrosion resistance with high dimensional stability
- Excellent resistance against and thermal shocks
- High chemical resistance: withstands effects of salts and other corrosive agents in soil and water
- Absolute impermeability to water

SPECIFICATION AND COMPLIANCE

DULAS QQG membranes conform and exceed the requirements of relevant international standards.

MAIN USES

DULAS QQG membranes are used:

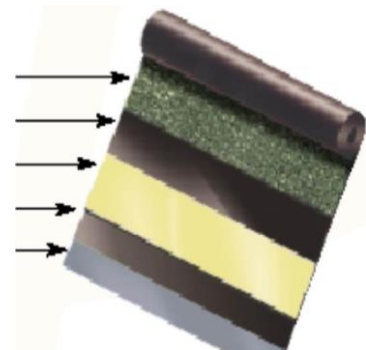
- As a first layer in multi-layer roof waterproofing systems
- In waterproofing of substructures such as concrete footings, tie beams, neck columns and below grade walls

QUALITY ASSURANCE AND WARRANTY

Duproof is an ISO 9001 Quality Assured company and DULAS QQG membranes carry a material warranty against any manufacturing defects.



Sand
SBS Modified Bitumen
Glass fiber
SBS Modified Bitumen
Sand



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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 5-6m²/lit and allow drying. 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 the rolls carefully with the correct orientation before the application operation begins. If used as a loose laid layer maintain correct alignment with 100 mm side laps and 150 mm end laps torch sealed.

If used in hot and pour method the base adhesive rubberized compound must be melted and evenly spread over the substrate before application of the membrane.

If used in cold method the adhesive compound must be evenly spread over the substrate before application of the membrane.

Protection: Once laid, it is recommended to protect the membrane from long-term exposure, construction abuse and backfill, preferably within 24 hours. On vertical areas **DUBOARD** protection board 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

DULAS QQG membranes are supplied in rolls of 1m x 15m, shrink wrapped on pallets. Rolls must be kept upright on pallets under shade. Pallets should not be stacked over each other.

HEALTH AND SAFETY

There are no direct health hazards associated with **DULAS QQG** 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)	2.0
Nominal Weight	Kg/m ²	2.1
Dimensions length X width	[m]	15 X 1
Coating		SBS – modified bitumen
Type of Carrier		50-60 g/m ² glass fiber mat
Top		Silica Sand
Bottom		Silica Sand

TECHNICAL DATA

PROPERTY	UNIT	TEST METHOD	VALUE
COMPOUND PROPERTIES			
Softening point	[° C]	ASTM D 36	118
Penetration, @ 25°C	dmm	ASTM D 5	25-35
Heat resistance, 2 hrs. @110°C		UEAtc	No flow
Flexibility at low temperature	[° C]	DIN 52123	-5 to -10
Dimensional stability- (L/T)	%	UEAtc	±0.2 / ±0.2

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.