



# DUPLAS G

## APP-MODIFIED MEMBRANE



### DESCRIPTION

**DUPLAS G** is a high-quality polymer-rich APP modified bituminous torch-on membrane with a reinforcement core of tough glass fiber reinforcement, used as a first layer in multi-layer roof waterproofing system.

The **DUPLAS** range belongs to the plastoproof group of membranes produced using a special grade of bitumen modified with virgin APP 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.

### FEATURES AND BENEFITS

- High heat resistance
- Excellent rot and corrosion resistance with very high dimensional stability
- Excellent resistance against mechanical perforations and thermal shocks
- High chemical resistance: withstands effects of salts and other corrosive agents in soil and water
- Absolute impermeability to water
- Versatile, available in wide ranges of finishes and thickness

### SPECIFICATION AND COMPLIANCE

**DUPLAS G** membranes conform and exceed the requirements of ASTM, UEAtc and other relevant international standards

### MAIN USES

**DUPLAS G** membranes are used:

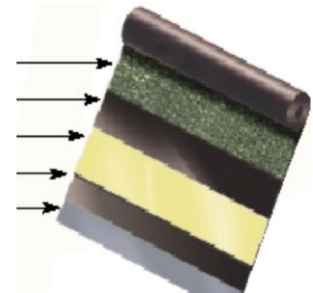
- As a first layer in multi-layer roof waterproofing systems
- In waterproofing of substructures such as concrete footings, tie beams, neck columns and below grade walls.

## QUALITY ASSURANCE AND WARRANTY

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



Foil or Sand or Slate  
APP Modified Bitumen  
Glass fiber reinforcement  
APP Modified Bitumen  
Polyethylene foil



# DUPLAS G (APP-MODIFIED MEMBRANE)

ISS 1/4/17, REV 0

## 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 m<sup>2</sup>/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 the rolls carefully with the correct orientation before the torching operation begin. Heat the lower surface of the rolls with a propane gas torch and unroll as the bitumen begins to melt. Maintain minimum 100 mm side laps and 150 mm end laps between rolls, staggering the joints where possible. All seams must be heat sealed from the top to ensure watertight laps.

**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 use **DUBOARD** 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

**DUPLAS G** membranes are supplied in rolls of 1m X 10m; shrink wrapped on pallets. Rolls must be kept upright on pallets under shade.

## HEALTH AND SAFETY

There are no direct health hazards associated with **DUPLAS G** 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)	3.0	4.0
Nominal Weight	Kg/m <sup>2</sup>	3.5	4.5
Dimensions [length / width]	[m]	10 / 1	
Coating		APP — modified bitumen	
Carrier		50-60 g/m <sup>2</sup> glass fiber mat	
Top		Polymeric foil (F) or Sand (Q) or Slate (S)	
Bottom		Printed Polyethylene foil	

To order specify finish, reinforcement and thickness e.g. DUPLAS FG 4 mm for foil finish, glass reinforcement and 4 mm thick sheet membrane.

## TECHNICAL DATA

PROPERTY	UNIT	TEST METHOD	VALUE
<b>COMPOUND PROPERTIES</b>			
Softening point	[° C]	ASTM D 36	150
Penetration, @ 25°C	dmm	ASTM D 5	14-21
Heat resistance, 2 hrs. @100°C		UEAtc	No flow
Flexibility at low temperature	[° C]	DIN 52123	0 to -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.