



Technical Data Sheet

GVE MEMBRANES

GV30E, GV40E, GV50E

APP modified bituminous membrane, reinforced with glass Fiber mat

DESCRIPTION

High Performance, APP Modified bituminous membrane, reinforced with glass fiber mat .The special polymer modifier used has great resistance to ultra - violet radiation.

FEATURES

- High Flexibility at low temperature and stability at high temperature.
- Durable and easy to apply.
- Remarkable resistance to aggressive attack of salts and chemicals.
- High dimensional stability.

FUNCTIONS

Ideal to in two layers as tanking in basements and also for general waterproofing purposes.

INSTRUCTIONS FOR APPLICATION

The membranes can be installed fully bonded or loose-laid by torch welding. The substrate should be cleaned and primed with AWAZEL PRIMER D 41 and allowed to dry. Torching should be done by skilled labor and should be controlled so that only the PE film is melted and the asphalt coating is softened sufficient to bond the membrane. All lap joints should be smoothed and sealed using a heated round-nosed trowel. The heat of the gas flame should be applied to trowel. In loose-laid applications, only the lap joints, areas around penetrations (pipes etc.), upstands and a 30 cm wide strip around the perimeter of the work should be fully bonded. Upstands and flashing should be installed using 1 M wide pieces cut from the length of the roll. (The overlap joints should be 5 to 10 cm at the sides and 15 cm at end).

COVERAGE

1.12 meter per layer : for flat surfaces

HEALTH & SAFETY

All safety measures should be taken during application. Fire extinguishers should be available in the site. Labor should wear personnel protective tools such as gloves and goggles during application.

PACKING

It is produced in rolls of 1 x 10 and 1 x 8 meters; special lengths are available upon request. The rolls are palletized and shrink-wrapped.

SURFACING

Surfaced with P.E. Film on both sides.

STORAGE & MATERIAL HANDLING

The rolls should always be stored vertically in a shaded area. The pallets should not be stacked one over the other.

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TECHNICAL DATA

Properties	Typical Results			Test Method
	GV30E	GV40E	GV50E	
Roll Size, m	10 x 1	10 x 1	8 x 1	ASTM D 5147
Thickness, mm	4.0	5.0	5.0	ASTM D 5147
Unit Weight, kg/m ²	3.0	4.0	5.0	ASTM D 5147
Carrier : Glass Fiber, g/m ²	50-60			UEAtc M.O.A.T. 30
Coating Asphalt Type	APP Modified Asphalt			
Softening Point, °C	150			ASTM D 36
Penetration at 25°C, 0.1 mm	15 - 30			ASTM D 5
Tensile Strength, N/5cm	*			
Longitudinal	350			ASTM D 5147
Transverse	200			ASTM D 146
Elongation, % :	**			
Longitudinal	3-4			ASTM D 5147
Transverse	3-4			ASTM D 146
Tear Resistance, N: Longitudinal	70			
Transverse	90			ASTM D 4073
Lap Joint Strength, N/5cm				
Longitudinal & Transverse	Same as Membrane			UEAtc M.O.A.T. 30 & 27
Cold Flexibility at -5 to -10 °C	No Cracking			UEAtc M.O.A.T. 30
Heat Resistance at 150 °C	No Flowing			UEAtc M.O.A.T. 30
Resistance to Water Pressure	No Leakage			DIN 52123
Water Absorption , %	≤ 3.2			ASTM D 5147
Static Puncture Resistance	L2 (7 kg)			UEAtc M.O.A.T. 27
Dynamic Puncture Resistance	12 (12-16mm)			UEAtc M.O.A.T. 27
Dimensional Stability, %	≤ 1.0			ASTM D 5147
Moisture Content (W.V.T.), %	≤ 1.0			ASTM E 96
Resistance to Aging after 2000 hrs	No Deteriorations			ASTM D 4799

Note: The above shown technical data are typical results obtained, to the best of our knowledge. From our quality control records extra details can be provided upon request.

* In accordance to the standard, a variation of 20% is expected.

** In accordance to the standard, a variation of 15% is expected.

Refer TDS Control Nos. SA011604, SA021604 & SA031604 for Supporting Accessories

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