



# OGV Reinforced Fiberglass



QMS Certified Firm

## APP Modified Bitumen Membranes

### Description:

**OGV** LAMA waterproofing membrane 3 or 4 or 5 mm thick is an ECONOMIC product, produced from bitumen modified with atactic polypropylene (APP).

The compound is a mixture of distilled bitumen, plastomers and elastomers which gives the membrane excellent resistance to heat aging and weathering.

The reinforcement is a rotproof fiberglass mat which gives dimensional stability to the membrane sheet.

The lower surface is covered with a burn-off polyethylene film, while the upper surface is covered with polyethylene film or fine sand.

### Advantages:

- ❑ Low-cost waterproofing job.
- ❑ Dimensional stability.
- ❑ Rot proof.
- ❑ Used as the first layer in case of multiply waterproofing system on roofs.

### Field of Application:

**OGV** LAMA Membrane can be used as most economical waterproofing material.

It is torch applied and can be utilized in below ground dampproofing for foundations, retaining walls and basements. Also used as a waterproofing layer in bathrooms, kitchens and terraces.

**OGV** is also recommended for the protection of embedded metal pipes of large diameter, and ducts.

### Uses:

- ❑ Make the surface clean and dry.
- ❑ Prime the surface with LAMA PRIMER at a rate of 0.3-0.5 It/m<sup>2</sup>, depending on surface smoothness.
- ❑ Lay down the rolls starting from the lower edge, unroll and align beside each others with 100mm side lapping and 150mm end lapping.
- ❑ Roll back the rolls up to the middle and start the torching operation while unrolling using the propane gas torch.
- ❑ Seams at overlaps should be smoothed on and the bitumen evenly distributed using a heated round-tipped trowel.
- ❑ Excessive heating may damage the reinforcement.
- ❑ **OGV** membrane may be loosely laid, partially or fully bonded to substrate, depending on the structure and the specifications.

OGV



## Technical Specifications

Property	Result	Test Method
Dimension, m/roll	1x10	
Thickness, mm	3, 4, or 5	ASTM D5147
Weight per roll, Kg	40, 50, or 62	UEAtcMOAT 30
Reinforcement	Reinforced fiberglass mat 60 g/m <sup>2</sup> .	BS 747
Penetration at 25°C, dmm	20±10	ASTM D5
Softening point, °C	≥150	ASTM D36
Heat Resistance	No flowing after 2 hours at 110 °C.	UEAtcMOAT 30
Cold Pliability	No cracking at -5 °C	UEAtc MOAT 27
Tensile Strength, N/5cm.		ASTM D5147 & D146
Long.	430	
Transv.	300	
Ultimate Elongation, %		ASTM D146
Long.	3.9	
Transv.	3.7	
Lap Joint Strength, N/5cm.		UEAtc MOAT 27
Long.	470	
Transv.	350	
Static Indentation Resist.	Not perforated at 25 kg. (Class L4).	BS 747
Water Pressure Resistance	No leakage at 1000 mm water head/24 hrs.	UEAtc MOAT 27
Water Vapor Transmission	0.2 g/m <sup>2</sup> per day	ASTM E96
Resistance to Chemicals	Resistant to alcohol, salt solutions, dilute acids and alkalis.	

- Acceptable deviation according to UEAtc & ASTM D6509.
- This Technical Data are the average results of tests, measurements and trials carried out by LAMA's own laboratory and RSS laboratories according to international standards such as ASTM, B.S and UEAtc.
- This product data sheet supersedes all previous data publications pertaining to this product.
- This data may be changed, improved or modified by LAMA, in accordance with the Client's requirements, availability of raw material, without advance notice.