



LAMASOL 100



QMS Certified Firm

Highly Rubberized Bitumen Emulsion, Waterproofing and Dampproofing.

Description:

LAMASOL 100 is a highly rubberized bitumen emulsion, dark brown in color. It dries to form a black, very flexible coating.

Advantages:

- ❑ Single component, easy to apply, cold applied by brush or roller.
- ❑ Highly effective and preferred over solvent based other types of coating when the working surface is always wet during rainy season.
- ❑ Solvent free, nonflammable.
- ❑ Resistance to alcohol, most salt solutions and dilute acids and alkalis.
- ❑ Friendly to environment
- ❑ Asbestos free.

Uses:

- ❑ *General Waterproofing:* For use on concrete (exposed or below ground), asbestos cement, roofing felt, terraces, kitchens, bathrooms floors, plantation beds, and under floor tiles, as a water and moisture barrier. It is most effective when cracks are expected in the surface.
- ❑ *Curing compound* on freshly cast concrete surfaces to reduce the loss of water during the early hardening period
- ❑ *Vapor Barrier:* It is used as a vapor barrier when applied on concrete surfaces below insulation.
- ❑ *Dampproofing:* for protection of underground foundations.

Standard:

LAMASOL 100 complies with the requirements of ASTM D 1227 Type III Class 1, and ASTM C 156.

Technical Specifications

Property	Result	Test Standard
Appearance	Dark brown liquid.	
Rubber %	10	
Specific gravity	980-1040	ASTM D2939
Residue by evaporation, %	55 ± 5	ASTM D2939
Ash content of residue, (Max)%	8	ASTM D2939
Drying time.	1-4 hours depending on weather conditions.	ASTM D2939
Firm set, hr.	24	
Elasticity	More than 100%	ASTM D412
Curing efficiency (water loss), kg/ m ²	< 0.50	ASTM C309
Resistance to Heat at 100°C	No blistering, sagging, or slipping.	ASTM D2939
Flexibility, 0± 0.5 °C	No cracking or flaking.	ASTM D2939
Direct flame test	Coating chars in place.	ASTM D2939
Resistance to water	No blistering or re emulsification.	ASTM D2939

Containers:

LAMASOL 100 can be supplied in 20 liter drum.

Storage:

- ❑ Keep containers well closed.
- ❑ Store under cover at temperatures between 5°C and 40°C.
- ❑ Never expose to freezing.

Shelf life:

LAMASOL 100 has a shelf life of 6 months if stored according to storage instructions.

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Surface Preparation:

- ❑ The surface must be clean, free from dirt, dust, oil, grease or any other contaminant prior to the application of LAMASOL 100.
- ❑ For porous surfaces, apply a primer coat of LAMASOL diluted with equal quantity of water.

Application:

- ❑ Application Temperature should be between 5 - 45 °C
- ❑ Stir LAMASOL 100 to homogeneity & apply the first coat at a rate of 0.75 kg/m².
To ease application, dampen the applicator before and during use.
- ❑ Allow the first coat to dry.
- ❑ Apply the second coat at the same rate and right angle to the first coat.
- ❑ Protect by using protection board or sand from sun light, weather conditions and scratching until fully cured.

Cleaning:

- ❑ Clean immediately after use, with water.
- ❑ Use kerosene or white spirit if the material has dried.
- ❑ During work, place tools in water while not in use.

Health & Safety:

- ❑ Fire: Non- flammable.
- ❑ Skin contact: Avoid repeated or prolonged contact with skin.
- ❑ Eye contact: Protect the eyes from splashes by wearing goggles. If splashed, irrigate with clean water and consult a physician.

- 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.