

REC BITUMASTIC SEALANT

BITUMEN RUBBER MASTIC SEALANT

PRODUCT DESCRIPTION

REC BITUMASTIC SEALANT is a single-component, solvent-based bitumen rubber mastic joint sealant. Upon curing, the sealant forms a tough and flexible seal. It has excellent adhesion to concrete, brickwork, asphalt, and most construction-material substrates. It is modified with non-asbestos fibers to make it thixotropic and slump-free when applied to vertical areas.

APPLICATIONS

- Concrete/asphalt road joint and crack filling.
- Vertical and horizontal joints of bridges and barrages.
- Runway joints and crack repair.
- Filling gaps and joints on roofs.
- Joints in concrete canal linings and crack repair.
- Joints of dams and hydropower projects, suitable for both dry and wet surfaces.
- Expansion joints of shell roofs and repair of cracks in shell structures.

ADVANTAGES

- Flexible joint sealant.
- Stable at high ambient temperatures.
- Excellent adhesion with a strong, durable bond.
- Single-component product.

TECHNICAL PROPERTIES

Properties	Values
Color	Black
Form	Paste
Solids Content	> 80%
Slump	Nil
Density	1.4–1.5 kg/L
Service Temperature	0–80°C
Initial Set	24–48 hours
Full Cure	14–21 days (10 mm)
Chemical Resistance	Sea water, chlorides, and sulphate ions
Heat Resistance @ 60°C	ASTM 1850 / ASTM D4586
Application Temperature	5–40°C

Note: All values given are subject to a 5–10% tolerance.

INSTRUCTIONS FOR USE

SURFACE PREPARATION

The surface must be free from all dirt, dust, and loose material. Any oil or grease contamination must be completely removed. The surface must be dry prior to application of the sealant.

MASKING

Prior to application of the primer and sealant, apply masking tape to the adjacent sides of the joints to obtain a neat finish and prevent the sealant from spilling over onto the edges.

PRIMING

Under normal circumstances, priming is not required. However, for very dry and porous surfaces, it is recommended to apply one coat of a solvent-based bitumen primer. Similarly, for joints subjected to continuous immersion, priming is recommended.

APPLICATION

The sealant can be applied by means of a spatula or trowel. As the product is solvent-based, it is recommended to mix the contents of the pail with a paddle mixer for a few minutes prior to application to ensure a homogeneous mix. Sealant application should start from the bottom of the joint/groove and continue to the top. Immediately tool the joint with a spatula or putty knife to smooth and compress the sealant, ensuring total contact with the joint surfaces. The putty knife should be moistened with a cleaning solvent to prevent the sealant from adhering to the knife and to ensure a smooth and neat finish.

Where masking tape has been employed to keep building surfaces clean, it is advisable to remove it immediately after the sealant filling is completed.

Tools and equipment should be cleaned immediately after use with a cleaning solvent. Hardened material can be cleaned mechanically only.

PACKAGING

REC BITUMASTIC SEALANT is available in 20 kg pails.

SHELF LIFE & STORAGE

Shelf life is one year from the date of manufacture when stored in tightly closed original containers. Store in a cool, dry and well-ventilated area, protected from extreme temperatures, direct sunlight, and sources of heat. Keep containers tightly sealed when not in use.

SAFETY PRECAUTIONS

Avoid contact with skin and eyes and do not inhale vapors or spray mist. Wear suitable gloves, eye protection, and protective clothing during mixing and application. Use in a well-ventilated area.

QUALITY STATEMENT

All our products are manufactured to comply with our internal quality management system to ensure consistency and quality.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use. This Data Sheet version is the latest one. The company may modify it without any prior notice. Technical characteristics are listed for guidance only. For more information, please contact the head office of RECKON CHEMICALS PVT LTD. located in Lahore.

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