

ULTRA BITUMASTIC SEALANT

Bitumen Rubber Mastic Sealant.

Adhesives

Admixture

Grouts & Anchors

Concrete Repairs

Protective Coatings

Industrial Flooring

Surface Treatments

DESCRIPTION

Ultra Bitumastic Sealant is an excellent quality cold applied sealant formulated with rubber/modified bitumen of good adhesive properties, high quality fine fillers, and mineral stabilizers and blended with fast drawing selected solvent. The sealant on curing forms a tough and flexible seal. It has excellent adhesion to concrete, brick work, asphalt and most construction material substrate.

TYPICAL USES

Ultra Bitumastic is ideally suited for:-

- Concrete/asphalt road joints/cracks filling.
- Runway joints as well as cracks repairing.
- Filling gapes and joints on roofs.
- Vertical & horizontal joints of bridges/barrages.
- Joints of concrete canal lining as well as cracks repairing.
- Joints of Dams & hydropower projects, for both dry & wet surface,
- Expansion joints of shell roofs and repairing of creaks in shell structure.

CHARACTERISTICS

- Flexible joint sealant
- Stability at high ambient temperatures.
- Excellent adhesion, strong durable bond.
- Single component
- Ready to use and easy to apply.

TECHNICAL SPECIFICATION

Softening point	90°-100 °C
Density	1.4 to 1.5 Kg/Ltr ASTMD-70
Form	Trowel Grade
Cone Penetration @ 25 °C	100-250 ASTMD-217
Resistance to UV Rays	No Erosion or Cracks.
Drying Time	Tough dry 3-4 house-full cures 24-36 hours.
Heat resistance @ 60 °C	No Sagging. ASTMD-4586
Cold Temp. Flexibility @ 20 °C	No Cracking.
Flash point	25-30 °C
Resistance to salt mild acid, alkalis	Excellent
Service Temperature	5°C – 50 °C
Adhesion to dry & wet surfaces	Excellent
Toxicity	No toxic when cured?

APPLICATION

Surface Preparation

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

Prior to application of primer and sealant, apply masking tape to the adjacent sides of the joints for getting a neat finish and to avoid the spilling over of the sealant on 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 solvented, in unfavorable conditions, it is recommended to mix the contents of the pail with a paddle mixer for a few minutes prior to the application to ensure a homogenous mix. Sealant application should start from the bottom of the joint/groove and continued to the top. Immediately toll the joint with the spatula or putty knife to smoothen and compress the sealant to affect total contact with joint surfaces. The putty knife shall be moistened with a cleaning solvent to prevent the sealant to adhere to the knife and ensuring a smooth and neat finish. Where masking tape has been employed to keep building surfaces clean, it is advisable to remove them at the moment to sealant filling is completed.

CLEANING

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

STORAGE & SELF LIFE

The pails and drums must be stored in a covered, dry and shaded area, away from direct sunlight, UV and other sources of heat and protected from extreme temperatures. The self life of the product is up to 12 months if stored as per the recommendations. Excessive exposure to sunlight and UV will result in the deterioration of the quality of the product and reduce its shelf life.

HEALTH & SAFETY

Bitumastic contains petroleum distillate, is flammable. Keep away from fire, sparks or other sources of ignition. Wear protective clothing, rubber gloves, and mask and safety goggles.

- 1- **Fire** – Flammable when wet.
- 2- **Skin**-- Avoid repeated or prolonged contact. Remove bitumen stains with a suitable cleaner that is able to remove oil or grease and then clean with soap and water.
- 3- **Eye**- Contact could cause irritation. Flush with copious amount of clean water.
- 4- **Inhalation**- Can cause dizziness. If Difficulty in breathing persists, administer oxygen.

PACKING:

25 Kg pail

Note: Our production facility at Lahore Pakistan is ISO 9001- 2008 certified for Moody International. As per certificate No. 04-A-11-QMS 0019.

STANDARD

ASTM D 1850

WARRANTY:

The Ultra Chemicals LLC. ("Ultra") solely and expressly warrants that its products shall be free from defects in materials and workmanship for six (6) months from the date of purchase. Unless authorized in writing by an officer of Ultra, no other representations or statements made by Ultra or its representatives, in writing or orally, shall alter this warranty. ULTRA MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Ultra product fails to conform to this warranty, Ultra will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Ultra does not authorize anyone on its behalf to make any written or oral statements which in any way alter Ultra's installation information or instructions in its product literature or on its packaging labels. Any installation of Ultra products which fails to conform to such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Ultra's products for the Buyer's intended purposes.