

ShaliSeal HB

Bitumen Based Sealing Compound for Lead Acid Batteries



STP Limited

Description

ShaliSeal HB is a plasticized bituminous sealing compound. Its consistency is medium hard solid. It is a safe and inexpensive material which has multiple uses in industry and a wide range of applications and has characteristics of Waterproofing, Plasticity, Adhesion and resistance towards acid and alkalis. It also makes an efficient electrical insulator, because it has excellent dielectric strength.

Approvals / Standard

IS 3116 - 2002 Specification.

Product Information

Form and Colour	Solid, Black
Handling & Storage	The material must be stored in a shaded area with minimum exposure to sunlight and UV. The containers should be protected from all sources of heat, ignition & extreme cold.
Packaging	Available in 20 Kg drum.
Shelf Life	12 months when stored in unopened sealed conditions at 5°C to 35°C.
Handling Precautions	As with all chemical products, care should be taken during use and storage to avoid contact with eyes mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use.

Technical Characteristics @ 27 °C, 55% RH

Characteristic	Test Method	Results
Softening Point °C	IS 1205	90 - 110°C
Penetration at 25°C, 100 gm, 5 sec 0.1 mm	IS 1203	17 - 45
Matter insoluble in Trichloroethylene, percent, by mass, max	Annex C IS 3116 - 2002	Max 1 %
Resistance to Sulphuric Acid	Annex D IS 3116 - 2002	No change in colour of the acid

Field of Application

Battery sealing compounds, Cable filling compounds, etc.

Advantages

- Good adhesion
- Low susceptibility to flow during hot weather condition
- Resistant to sunlight / rain and cyclic temperature changes
- Anti-corrosive and prevents root growth
- Resistant to ingress of foreign substance

Application Methodology

- Remove dust, flakes, oil, grease or other foreign particles by jet or dry air and clean the surface to make it smooth before applying **ShaliSeal HB**.
- Cut **ShaliSeal HB** drum and heat it to 140 - 160°C while slowly stirring the material for uniformity. A 20 kg drum will take 2 - 3 hrs at 140 - 160°C for complete melting using hand stirrer.
- Do not overheat as this may cause frothing. If for any reason bubble appears during melting, keep the temperature around 140°C for a longer time with slow manual stirring till the bubble disappears.
- Pour molten ShaliSeal HB Compound from one side of the joint allowing it to travel through the joint as much as practicable. While pouring, ensure that temperature of material is in the range of 120°C.

Value base of product data

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control and different test methods.

Health and Safety information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent **Material Safety Data Sheet**.

- Avoid contact with skin/eyes and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapour.
- Wear suitable protective clothing, gloves and eye protection.
- In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

Cleaning

Tools, equipment and general clean-up can be done with STP Thinner only. Do not allow the material to harden.



STP Limited
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Product Range

- Waterproofing and Insulation ■ Road Surfacing
- Sealants and Additives ■ Pipeline Coating
- Protective / Anti-Corrosive Coating ■ Epoxy Flooring
- Grouts / Admixtures ■ RestoFix- Repair / Rehabilitation
- Other Construction Chemicals



Advisory Cell: +91 81302 81114