

Estoliastic

Hot Poured Rubber Bitumen Horizontal Joint Sealant

Description

Estoliastic hot poured rubber bitumen horizontal joint sealant is designed for sealing movement and construction joints in concrete pavements and floor slabs. It possesses good adhesion to concrete and asphaltic materials.

Estoliastic is suitable for immersed joints, including low movement expansion joints, floor joints of reservoirs, basement etc.

Estoliastic has been tested by SIRIM BHD, in accordance to BS 6920, on the suitability for contact with drinking water, and complied with the specification in this data sheet.

Uses

Estoliastic is used for sealing joints in:

- Pavements
- Water retaining structures & reservoirs
- Basement / car park
- Water excluding structures
- Floor joint in tunnel / subway

Advantages

- An economical sealant for horizontal and inclined joints up to 1 in 20.
- Resist dirt and ingress of grit associated with trafficked pavements.
- Suitable for sealing joints in portable water tanks.
- Good adhesion to concrete and asphalt surfaces.
- Non-corrosive to steel or iron

Standards Compliance

- ASTM D36
- BS EN 13880-5:2004
- ASTM D92
- BS 6920: Part 1: 2000
- ASTM D97

Physical Properties

Form	Plastic solid
Colour	Black
Softening Point (R & B), °C	≥80
Flow resistance, mm	0
Flash Point, °C	Min 200
Suitability for Use in Contact with Drinking Water, BS 6920 : Part 1	Complied
Relative Density @25°C, kg/L	1.10-1.30
Pouring Temperature, °C	160 - 180

Drinking Water

Estoliastic is not soluble in water and therefore imparts no taint to it.

Application Instructions

Roads and traffic surfaces: **Estoliastic** compounds are particularly recommended for sealing joints in reinforced and unreinforced concrete roads and airfield runways. Since they are bituminous compounds, they are suitable for sealing against bituminous asphalt surfaces.

Water retaining structures: **Estoliastic** compounds are recommended for sealing horizontal joints in many types of water retaining structure, including floors and roofs, swimming pool substructures and irrigation canals, reservoirs, treatment plants, box culverts etc.

Preparation

The joint surfaces shall be dry and free from old sealing compound, dust, scale grit, laitance and loose stones. New concrete surfaces shall be cured before compound is poured. Where applicable, care must be taken to ensure that compressible filler such as Estocell will provide adequate support for the **Estoliastic** compound. Absorbent surfaces, such as concrete and brickwork, need to be primed after the surface being torch with gas and still warm to ensure satisfactory adhesion.

Priming

Porous Surface:

Use **Estop Primer S1** on concrete, stone and brick paving. Allow to become touch dry before sealing, normally 1 to 4 hours.

Non-Porous Surface:

Metal surfaces do not require priming but should warm to ensure satisfactory adhesion. Ferrous metal should be treated with an anti-corrosion primer.

Application

It is essential that the correct equipment be used for re-melting **Estoliastic** to ensure that the subsequent performance is not impaired by damage through overheating or pouring at the wrong temperature. The heating apparatus must be equipped with a thermometer, an oil jacket and a means of stirring the molten compound. Direct heating should be limited to low flame and equipment fitted with a mechanically driven stirrer.

Note: For small jobs, **Estoliastic** may be used with a small, directly heated vessel, but great care must be taken to avoid overheating the **Estoliastic** compound. In these cases, limited quantities of material should be cut up into small lumps and melted gradually in the molten mass whilst stirring.

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Packing & Size

Estoliastic	20 kg metal pail
Estop Primer S1	1 litre tin

Coverage

Estoliastic	194m per drum @ 10*10mm joint 48.5m per drum @ 20*20mm joint 31m per drum @ 25*25mm joint 15.5m per drum @ 50*25mm joint 7.7m per drum @ 50*50mm joint
Estop Primer S1	Approximately 1.5 litre per 2 drums of Estoliastic

Technical Support

Denka offers a technical support package to specifies, end-users and contractors, as well as on-site technical assistance.

Storage

Estoliastic should be stored on pallets in dry conditions. Under these conditions, the product will have a shelf life of 12 months.

If stored in extreme heat locations the shelf life may be reduced.

Precaution

There is no known health hazards associated with **Estoliastic**. Do not melt the compound in confine space, as concentrated fume may be injurious. Do not exceed safe heating temperature.

Estop Primer S1 is a highly flammable liquid. It should be kept away from sources of ignition. Wear suitable protective clothing, gloves and eye/face protection

Additional Information

Denka Construction Solutions Malaysia Sdn Bhd offers a wide range of complementary products, which includes waterstops, waterproofing products, grouts, anchors, specialized flooring products. In addition, a wide range of products formulated for repair and refurbishment of spalled concrete are available.



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