

Estojoint

Hand Applied Flexible Bituminous Putty

Description

Estojoint is a thermoplastic bitumen based putty designed to provide a slump free, flexible seal. It requires heating for workability.

Estojoint is suitable for immersed joints, including low movement expansion joints in retaining walls, reservoirs and where biological activity occurs.

Estojoint 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

Estojoint is recommended for joint sealing, particularly vertical and inclined joints. It is highly recommended for used in water retaining structures.

Estojoint is used for sealing joints in:

- Sewerage disposal works
- Water retaining structures, reservoirs
- Basement structures and subways
- Water excluding structures
- Retaining wall and tunnel

Advantages

- Easily applied by hand
- Excellent slumps resistance
- Suitable for sealing joints in portable water tanks.
- Suitable for joints up to 40mm wide
- Resistant to bacteriological attack
- Tough, weather resistant seal

Standards Compliance

- **BS 6920:1988**
- **Water Bye-Laws Scheme**

Physical Properties

Form	Stiff putty
Suitability for Use in Contact with Drinking Water, BS 6920 : Part 1	Complied
Movement Accommodation Factor BS 6093	10% for butt joints
Colour	Black
Application Temperature	5 °C to 50 °C
Penetration at 25°C	60 to 80 mm (needle)
Solids content	100%
Density	1.79kg/litre

Chemical Resistance to Occasional Spillage

Dilute Acids	Resistant
Dilute Alkaline	Resistant
Petroleum Solvents	Not Resistant
Minerals Oils	Not Resistant
Fuel	Not Resistance
Greases	Not Resistance

Biological Resistance

Estojoint is resistant to the aerobic and anaerobic conditions normally occurring in sewerage treatment plants.

Drinking Water

Estojoint is not soluble in water and therefore taint free.

Application Instructions

Roads and Traffic Surface

Estojoint compound are particularly recommended for sealing vertical joints in reinforced and un-reinforced concrete structures.

Water Retaining Structures

Estojoint compound are recommended for sealing of vertical and horizontal joints in many types of water retaining structures, including walls and floors of irrigation canals, reservoir and treatment plants, retaining walls structures and culverts.

Estojoint is applied by hand after it has been heated.

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 applied.

Absorbent surfaces, such as concrete and brickwork, require priming but should be warmed with a gas torch to ensure satisfactory adhesion.

In expansion joints, a firm backing, such as Estocell or Estocell RBCF, which allows free movement, must always support **Estojoint**. Where a particularly neat finish is required, cover face edges of joint with masking tape before priming and remove immediately after sealing work is completed.

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.

Heating

Tin of **Estojoint** is heated to 45 to 55°C by placing in a field oven or in boiling water for approximately 1 hour. When using water, the water level should only come almost to the top of the tin (leave the lid on). **Estojoint** must not be subjected to direct flame.

Installation

Tins of **Estojoint** must be heated in boiling water or field ovens, not by direct flame.

Take a convenient quantity of material from the tin and mould by hand into a strip. While still hot, push this well down into the cavity to fill all the crevices, ensuring good contact with the sides and base of the joints. If necessary caulk home with a piece of damp wood.

Packing & Size

Estojoint	5 litre tin
Estop Primer S1	1 litre tin

Coverage

Estojoint	13m per tin @ 20*20mm joint 8m per tin @ 25*25mm joint 4m per tin @ 50*25mm joint 2m per tin @ 50*50mm joint
Estop Primer S1	Approximately 1 litre per 4 tins of Estojoint

Technical Support

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

Storage

Estojoint should be stored on pallets in dry conditions. Under these conditions the product will have a shelf life of 36 months.

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

Precaution

There is no known health hazards associated with **Estojoint** in normal use. However prolong skin contact should be avoided.

Estop Primer S1 is a highly flammable liquid. It should keep away from sources of ignition. No smoking. Harmful by inhalation and in contact with skin. Wear suitable protective clothing, gloves and eye/face protection.

Additional Information

Estop manufactures and 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.

Important Note

Estop products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which may be obtained on request. Whilst Estop endeavors to ensure that any advice, recommendation, specification or information in may give is accurate and correct, it shall not, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.