

# Estoseal E77

## Hot Poured Fuel Resistant Joint Sealant

### Description

**Estoseal E77** single component hot poured joint sealant is designed for sealing joints in concrete pavements, airfield aprons, cargo terminals, warehouses and parking areas.

It possesses good adhesion to concrete and asphaltic materials. **Estoseal E77** is suitable for immersed joints, including low movement expansion joints, floor joints of reservoirs, basement etc.

### Uses

**Estoseal E77** is used for sealing joints in:

- Pavements
- Water retaining structures & reservoirs
- Basement / car park
- Water excluding structures
- Floor joint in tunnel / subway
- Airfield aprons
- Cargo terminal
- Warehouses
- Parking areas

### Advantages

- High resistance to weathering.
- Resistance to petrol, oil or fuel occasional spillage.
- Resist dirt and ingress of grit associated with trafficked pavements.
- Good adhesion to concrete and asphalt surfaces.
- Non-corrosive to steel or iron

### Physical Properties

Form	Plastic solid
Color	Black
Movement Accommodation Factor	25% for butt joint
Shore A Hardness	> 15
Density, kg/L	1.1 – 1.3
Flash Point, °C	Min 200
Softening Point, °C	85 – 105
Application Temperature, °C	Over 5
Pouring Temperature, °C	160 - 180

### Chemical Resistance to Occasional Spillage

Dilute Acids	Resistance
Dilute Alkaline	Resistance
Petroleum Solvents	Resistance
Minerals Oils	Resistance
Fuel	Resistance
Greases	Resistance

### Application Instructions

**Roads and traffic surfaces:** **Estoseal E77** compounds are particularly recommended for sealing joints in reinforced and un-reinforced concrete roads and airfield runways. Since they are bituminous compounds, they are suitable for sealing against bituminous asphalt surfaces.

**Water retaining structures:** **Estoseal E77** 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 **Estoseal E77** 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 **Estoseal E77** 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, **Estoseal E77** may be used with a small, directly heated vessel, but great care must be taken to avoid over heating the **Estoseal E77** compound. In these cases, limited quantities of material should be cut up into small lumps and melted gradually in the molten mass whilst stirring.

### Packing & Size

<b>Estoseal E77</b>	20 kg bag
<b>Estop Primer S1</b>	1 litre tin

### Coverage

<b>Estoseal E77</b>	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
<b>Estop Primer S1</b>	Approximately 1.5 litre per 2 bags of <b>Estoseal E77</b>

### Technical Support

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

### Storage

**Estoseal E77** should be stored on pallets in dry conditions. Under these conditions, the product will have a shelf life of 24 months.

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

### Precaution

There is no known health hazards associated with **Estoseal E77**. 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

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.*