

# Estoseal C200PF

## Cold Applied, High Performance, Pitch Free, Polyurethane Pavement Joint Sealant

### Description

**Estoseal C200PF** cold applied, two part elastomeric sealant is design for joints in concrete paved areas.

It cures to form a durable and elastic seal, particularly suitable for areas where fuel and chemical spillage may occur. **Estoseal C200PF** has outstanding resistance to UV weathering and commonly occurring chemicals.

### Uses

For sealing movement joints in:

- Concrete airfield pavements, runways and taxiways
- Car parks
- Chemical industries, workshops and warehouses
- Particularly for fuel and chemical spillage areas
- Sewage treatment plants and sewerage lines

### Advantages

- Excellent flexibility and movement tolerance.
- Prolonged life.
- Excellent resistance in chemicals and high grade Hydrocarbon fuels.
- Excellent UV resistance.

### Standards Compliance

- **BS 6093**
- **ASTM D2240**
- **BS5212:1990 – type N, F and FB**

### Design Criteria

Joints should be designed so that the total movement due to concrete shrinkage and thermal changes does not exceed the 25% movement accommodation factor related to the joint width. The sealant depth should not exceed joint width. All joints subject to traffic shall be recessed 3 – 5mm below flush, so that during joint contraction the sealant does not protrude above the surface.

Joints up to 12mm width should be the same depth as width, joints above 12mm should maintain a 2:1 width to depth ratio, subject to a minimum depth of 20mm for trafficked joint or joints under hydrostatic head.

### Physical Properties

Form	2 components paste	
Colour	Black	
Density, kg/L	1.14 – 1.18	
Solid Content, %	100	
Flash Point	Over 65°C	
Flammability	Burns but does not readily support combustion	
Application Temperature	To avoid unacceptable prolonged cure times, do not apply at temperatures below 5°C.	
Physical or Chemical Change	Chemical cure	
Movement Accommodation Factor BS 6093	Butt joints 25%	
Pot Life at 30° C	2 – 4 hours (depending on the ambient temperature)	
Setting Time	After 16 to 24 hours will be tack free and accept traffic. Full cure and maximum hardness are attained in approximately 7 days at 25°C.	
Shore 'A' Hardness ASTM D2240	> 20	
Chemical resistance to occasional spillage	Aviation fuels	resistant
	Diesel fuels	resistant
	Dilute acids	resistant
	Hydraulic fluids	resistant
	Kerosene	resistant
	Mild alkalis	resistant
	Mineral oils	resistant
	Petrol	resistant
	Skydrol	resistant
	Synthetic oils	resistant
	White spirit	resistant

### Application Instructions

#### Joint Preparation

Joints should be very clean and dry. Remove all dust, dirt, loose particles and contaminants and wire brush thoroughly or preferably grit blast the joint interfaces. Install **Estop Backer Rod** to avoid 3 sided adhesions.

#### Priming

Mix **Estop Primer S9** Base and Hardener and prime the joint interfaces for porous substrates. A single coat of primer applied by brush must be allowed to dry minimum period of 1 hour before applying **Estoseal C200PF**. Any primed areas left more than 3 hours must be re-primed before sealant application.

### Mixing and Application

Mix and use one complete kit at a time. Both components shall be thoroughly mixed. It is recommended to mix with an electric drill (300 – 400 rpm) with a flat bladed paddle for a minimum of 3 minutes. Ensure that both the components are mixed evenly. Immediately after mixing, pouring grade **Estoseal C200PF** can be poured directly from the tin into wider joints or into a sealant gun for application.

For use and application of joint sealants for concrete pavements, please refer to BS 5212 : Part 2 : 1990.

### Limitation

**Estoseal C200PF** with **Estop Primer S9** is not compatible with bituminous surfaces.

### Packing & Size

<b>Estoseal C200PF</b>	5.0 litre pack
<b>Estop Primer S9</b>	5.0 litre pack

### Guide to Estoseal C200PF Quantities

Joint size, mm	Metre per 5.0 litre pack
10 x 10	50.0
20 x 20	12.5
25 x 25	8.0
30 x 25	6.7

\* No allowance has been made for wastage.

### Technical Support

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

### Storage

Storage life of 12 months when stored in original container in cool, dry condition not exceeding 25°C. Storage above this temperature may reduce storage life.

### Precaution

### Health and Safety

**Estoseal C200PF** may cause sensitisation by inhalation. Avoid contact with skin and eyes and inhalation of vapour. Wear suitable protective clothing, gloves and eye/face protection. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

**Estop Primer S9** is a flammable liquid. Harmful by inhalation and in contact with skin. May cause sensitisation by inhalation and skin contact. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. Use only in well ventilated areas.

### 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.*