

Conflex® PS(M)

A TWO PART POURING GRADE POLYMER SEALANT

DESCRIPTION

A two part pouring grade polymer sealant that cures to form a tough resilient sealant. It complies with BS5212:1990 Types N, F and FB.

USES & ADVANTAGES

An easy to use flexible, durable and puncture resistant sealant. Typical applications include sealing movement joints in factory floors, taxiways, basements, bridge decks, sea walls, wharves, ports and industrial complexes.

Advantages include:-

- Excellent adhesion.
- Trafficable.
- Resistant most chemicals and fuel oils.
- Self levelling.
- No VOCs.
- Cures to a tough sealant.
- Tropical grade.
- Suitable for use in high humidities and temperatures.
- Good puncture resistance.
- Non staining.
- Good ageing.

PROPERTIES (POURABLE GRADE)

| | |
|--|---------------------------|
| Specific Gravity @25°C : | 1.10-1.15 kg/litre |
| Initial Setting time @25°C : | Approx. 60 min. |
| Rheological Properties : (Immediately after mixing) | Self-Leveling. |
| Tensile Strength : | > 5 MPa. |
| ASTM D412 | |
| Elongation at Break : | > 50 % |
| ASTM D412 | |
| Shore A Hardness : | > 50 |
| (Full Cure) | |
| ASTM D2240 | |
| Trafficable at 25°C : | Approx. 24 hours. |
| Full Cure Time at 25°C : | 7 Days |
| Application Temperature: | +5°C to 50°C |
| Pot Life: | Approx 20-30 min. at 25°C |
| Water Resistance: | Excellent |
| UV Resistance: | Good |
| Movement Accommodation Factor: | (Butt) 25%, (Lap) 50% |
| Chemical Resistance to Occasional Spillage: | |
| Petrol | Resistant |
| Diesel fuel | Resistant |
| Aviation fuel | Resistant |
| Skydrol | Resistant |
| White Spirit | Resistant |
| Kerosene | Resistant |
| Dilute Acids | Resistant |
| Dilute Alkalis | Resistant |
| Aromatic Solvents | Resistant |
| Hydraulic Fluid | Resistant |
| Solvents Hydrocarbon | Resistant |
| Dilute Oxidising Acids Not | Resistant |

For other chemicals consult Cormix International Technical Service Department

SURFACE PREPARATION

All surfaces should be sound, clean and dry, free from dust, oil, grease or other contamination. Loose matter should be removed by abrasion if necessary finally removing the dust with a dry brush. Masking tape may be used to ensure a neat edge to the seal and protect substrates from which the removal of sealant is difficult. It should be applied before priming and be removed after tooling and before the sealant starts to cure. A suitable back-up material (approx. 30% oversize) should be placed into the joint to the required depth. Closed cell polyethylene foam, **Conflex Cell**, is normally used as it also acts as a bond breaker, ensuring that the sealant bonds only to the sides of the joint. If a rectangular section is used ensure that it does not twist, thus changing the configuration of the joint.

PRIMING

All joint substrates must be clean and dry before priming. Prime with **Conflex PS Primer**. For unusual substrates consult Cormix International Technical Service Department.

MIXING & APPLICATION

Premix "Part A" & "Part B" for approx. 3 minutes using high speed drill mixer (or) paddle mixer having ribbon blades until a uniform homogenous mixture is achieved. Immediately pour the homogenous mixture into the joint. The poured material is self levelling and will initially cure within 60 minutes providing a smooth surface finish.

JOINT DESIGN

Laboratory tests show that in butt joints an optimum performance is achieved when Width: Depth = 2 : 1. If the joint is not deep enough to accommodate the foam backing strip, a self-adhesive polyethylene tape should be used to ensure that the sealant bonds only to the sides of the joint.

Joint widths may vary from a minimum of 5 mm to 50 mm wide.

Minimum sealant depth recommended:

- 5 mm for metals, glass and other impervious surfaces.
- 10 mm for all porous surfaces.
- 20 mm for joints exposed to traffic and hydrostatic pressures.
- 5 mm below flush for joints exposed to traffic.

COVERAGE

The quantity required can be determined by using the formula:

$$\text{Cross - section of seal (mm}^2\text{) x Length (M) = Qty (litres)}$$

$$1000$$

(Note that no allowance has been made for wastage.)

Conflex® PS(M)**A TWO PART POURING GRADE POLYMER SEALANT****CLEAN UP**

Use Xylene to clean equipment.

PACKAGING

8 kg set.

(Part A= 6 kg. Part B= 2 kg)

8 kg set = 7.11 litres.

2.2 kg set.

(Part A= 1.65 kg. Part B= 0.55 kg)

2.2 kg set = 2 litres.

STORAGE & SHELF LIFE

Do not allow to freeze. Store in a dry shaded area between 10-35 °C in original unopened containers. The shelf life is 12 months when stored correctly in the original unopened containers.

HEALTH & SAFETY

Wear protective clothing, goggles & gloves. If in contact with eyes wash out immediately with water & seek medical attention. Fatal if taken internally.

TECHNICAL SERVICE

The Cormix International Technical Service Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

QUALITY ASSURANCE

ISO 9001 : 2015 verified by TUV Nord.

ISO 14001 : 2015 verified by Lloyd's Register International.

DISCLAIMER

Performance data is achieved testing in accordance with International Standards. Testing by others may result in different results from those published as a result of external factors such as poor sampling, incorrect mixing, varying temperatures, curing, crushing procedures etc. Cormix does not take responsibility nor need to defend others testing that does not achieve the published data. The user must test the products suitability for the intended application and purpose. Cormix reserves the right to change the properties of the product. Site conditions and differences in materials are such that no warranty or fitness for a particular purpose, nor liability can be inferred from the published data sheet, written recommendations or from other advise offered.

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