



JCC-FLEX 1000 PS POURABLE

2-Component, pouring grade, Poly-Sulphide Sealant

Product Description

JCC-FLEX 1000 PS POURABLE is a two-component joint sealant based on a liquid poly-sulphide polymer, which when mixed and applied, cures to form a tough, rubber-like seal. The cured sealant exhibits excellent adhesion to most surfaces including primed concrete, glass, aluminium and stainless steel.

JCC-FLEX 1000 PS POURABLE is available in gun grade. The gun grade is ideal for general application, and is available in a range of colours.

JCC-FLEX 1000 PS POURABLE is particularly recommended for use in sewage stations and water reservoirs where water salts attack, aggressive chemical attack is more and in high rinse buildings and other applications where access for subsequent maintenance will be difficult and the risk of early movement failure must be minimized. It is also suitable for sealing joints in brickwork, retaining walls, reservoirs, basements and subways. The sealant is resistance to tyre force and abrasion

Uses

JCC-FLEX 1000 PS POURABLE is used for sealing joints in:

- Joints subjected to chemical agent as in sewage plants.
- Building and civil engineering structures
- Super structures and Reservoirs
- Floors, basements and subways.
- Water reservoirs.

Advantages

- Forms a tough, elastic, rubber-like seal.
- Accommodates continuous and pronounced cyclic movement
- Excellent adhesion to most common substrates.
- High resistance to ageing reduces physical damage due to climatic extremes.
- High resistance to tyre force and abrasion.

Standards Compliance

- British standard BS 4254: 1983
- British standard BS 5212:1990 (gun grade grey).
- ASTM C 920-87, Type M, Class 25

Technical Properties

Form	Two-Part, pouring grade compound	
Colours	: Grey	
Movement Accommodation Factor	25% butt joints 50% lap joints	
Pot-Life	@25 °C	2 hours
	@35 °C	1 hour
Setting Time	@35 °C	12 hours



Full-Cure	@35 °C	4 Days
Tack free time	@25 °C	16 hours
Application Temperature	5 to 50 °C	
Hardness (Shore A)	25	
Water Immersion	JCC-FLEX 1000 PS POURABLE must be fully cured before permanent immersion in water	
Solid Content	100%	
Density	1.50 to 1.60 kg/Liter	
Biological resistance	JCC-FLEX 1000 PS POURABLE has been evaluated in microbiologically active situations and has been shown to have resistance to aerobic conditions.	

Chemical Resistance

JCC-FLEX 1000 PS POURABLE has been tested for chemical resistance to a comprehensive range of industrial & domestic chemicals. After constant immersion for 90-days @ 35 °C in accordance with ASTM D-2240 (Shore D hardness), the results are:

Acids

Hydrochloric	25 %	Excellent
Sulfuric	25 %	Excellent
Nitric	25 %	Good
Acetic	10 %	Excellent
Lactic	10 %	Excellent
Citric	10 %	Excellent

Alkalis

Sodium hydroxide	25 %	Excellent
Sodium Carbonate	25 %	excellent
Ammonia	20 %	Excellent
Potassium Hydroxide	25 %	Excellent
Sodium Hypochlorite	15 %	Excellent

Solvents & Oils

Ethanol	Excellent	Soya Bean Oil	Excellent
Ethyl Glycol	Excellent	Vegetable Oil	Excellent
White spirit	Excellent	Detergent	Excellent
Petrol & Diesel Oil	Excellent	Fat	Excellent
Coconut oil	Excellent	Milk	Excellent
Soya Bean Oil	Excellent	Linseed Oil	Excellent
Silicates	Excellent	Water	Excellent

Design Criteria

JCC-FLEX 1000 PS POURABLE may be applied to joints between 5 mm and 50 mm wide. Joints which are expected to experience cyclic movements should be designed to an optimum width depth ratio of 2:1, subject to the overriding recommended minimum sealant depths set out below:

- 5 mm for metals, glass and other non-porous surfaces.
- 20 mm for trafficked joints and those subject to hydrostatic pressures

Guidelines for Applications

Joint Preparation

All substrates to which JCC-FLEX 1000 PS POURABLE is bonded must be clean .dry and sound, clean free from dust, grease & oil, dirt or any bond -inhibiting materials. Laying backer foam inside the joint to govern the depth of the sealant materials .it is recommended to prime the sides of the joint with PRIMER. The edges of the joints can be covered with masking tape to avoid soiling.



Priming

JAZEPRIME- EP10 can be used prior to the application (See its data Sheet).

Mixing

JCC-FLEX 1000 PS POURABLE two components should be mixed carefully for at least 3 minutes using a recommended mixing paddle fitted to a slow speed electric drill (300-500 rpm) until an homogenous mix is obtained .if the base compound is not well mixed the hardener uniform curing cannot be expected .

Application

After thorough mixing of the two component place the single hole follower plate over the JCC-FLEX 1000 PS POURABLE and fill directly into firmly into the joint to ensure complete wetting of the bonding surfaces .compress and smooth the sealant with joint shaping tool wetted with water and immediately strip off masking tape.

Finishing

JCC-FLEX 1000 PS POURABLE should be tooled to a smooth finish. Use dilute detergent solution as a surface lubricant.

Cleaning

All equipment & tools shall be cleaned with solvent after work immediately.

Packaging

JCC FLEX 1000 PS is supplied in well sealed 5.825-Kg packs

Storage & Shelf-life

JCC FLEX 1000 PS shall be stored in normal conditions away from any extreme temperatures, or any source of moisture. 12-monthes if stored properly in well-closed containers.

Health & Safety

- JCC-FLEX 1000 PS is non-toxic, non-corrosive, and non-dangerous.
- For Ecology: Do not dispose directly to water or soil. Mix Component A with Component B and wait till hardening, then burry in landfill in accordance with the local regulations.
- Splashes on skin will be washed with water and soap.

JCC CONSTRUCTION CHEMICALS

The information herein is general information to assist our customers in determining whether our products are suitable for their specific applications. Our products are intended for sale to commercial and industrial customers. We require that customers should inspect and test our products before use to satisfy themselves as to the content and suitability for the application they intend to use our products for.

JCC endeavors to ensure that any advice, recommendation, specification of information in accurate and correct manner.