



ConcastTM J-Seal PS 2CP

Two Component Polysulphide Joint Sealant- Pour Grade

Product Description :

Concast J-Seal PS 2CP is a two component sealant based on Polysulphide liquid elastomer. It consists of a 'base' compound and 'accelerator' (Curing Agent). When the two components are mixed together prior to application, a chemical reaction is initiated which cures instantly to a firm, flexible rubber like seal with excellent adhesion to concrete, masonry, wood, glass, acrylic and PVC plastics. It is capable of withstanding repeated extension, compression & cyclic movements without the loss of adhesion and resists deterioration by weathering, sunlight, ozone, water, salt, oils and fuels. Concast J-Seal PS 2CP is far superior to all the conventional joint sealing material like bitumen, mastics, metallic channels and expansion sheets.

Uses:

- Sealing of expansion, contraction & construction joints in building structures such as, basements, subways, retaining walls, floors, external walls and claddings of high-rise buildings, roof terraces & ceilings especially structural expansion joints running through the ceiling.
- Sealing of dynamic structural cracks.
- Joints & 'J' bolts of asbestos sheet roofing
- Sealing of joints in traffic areas such as, bridges, roads and car

Features & Benefits :

- Easy to use
- Economical
- Forms a tough elastic rubber-like seal.
- Bonds strongly to most of the building materials with the use of recommended primers.
- Durable, remains unaffected by UV rays, ozone and weathering conditions.
- Resistant to water, salt water, 10% dil. acids except nitric acids, alkalis, most of the common chemicals, vegetable, lubricating oils and fuels.
- Self leveling, after pouring in horizontal joint levels itself.
- Recovers the original width after expansion & contraction without loosing the surface bond.

Specifications/ Compliances :

BS:4254:1983, BS 5212 - 1990, TT-S-00227E November 1969(amended 1970), IS12118 (PT 1&2) - 1987, ASTM C – 920 – 1987 Type M Grade NS Class 25

Product Properties & Technical Specifications :

Form:	Two component	<i>Base- Paste</i> <i>Curing Agent- Base</i>
Colour:	Grey (Mixed material)	
Chemical Base:	Cross linking polysulphide	
Density:	1.62 kg/L	
Flash Point:	>65°C	
Application Temperature:	5°C to 50°C	
Joint Configuration:	Minimum Joint Width- 8mm Maximum Joint Width- 40mm	
Width:Depth Ratio :	2:1	
Curing Time:	24 hours	
Movement Capacity:	+/- 25% of average joint width	
Pot Life:	2 hrs (Approx.)	
Hardness, Shore A (ASTM D2240):	25-30	
% Elongation (ASTM D638):	500-550	

Application Methodology :

All surfaces must be clean, dry and free from any loosely adhering particles.

Check the joints edges for soundness and if found weak cut recess and fill up with suitable repair mortar. Correct joint depth can be established by inserting polyethylene based backer material tightly into the joint. When the joints have been filled with fibre filled board, this must be raked back to the required depth. Use bond breaker tape over the backer material. Protect surfaces with masking tape.

For joints under wet conditions, use priming compound. The two components are mixed in the ratio Comp. A : Comp B = 92 : 8 by weight with a low speed mixer (400 -600 rpm). Mix for approximately 8 - 10 minutes until a smooth, even consistency is achieved. Install Concast J-Seal PS 2CP into the joint without trapping air.

Storage & Shelf Life:	12 months from the date of production when stored properly in unopened, undamaged and sealed original packaging in cool and dry condition at temperature
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Packaging:	Available in 4 kg Tin (Base & Curing Agent)
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Value Base :

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.



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