

# PC Joint PS



High performance two component pourable joint sealant

## Product Overview

PC Joint PS is a two component high grade, PS based sealant possessing outstanding resistance to deterioration due to weathering, ozone, ultraviolet light and attack by chemicals present in industrial atmospheres. It has excellent adhesion properties to all materials commonly employed in construction work.

## Areas of applications

1. For all types of dynamic moving joints; expansion and control joints.
2. For all kinds of RCC structures such as bridges, reservoirs, water treatment works, sea walls and roads, etc.
3. It can also be used in floor joints subject to heavy usage where a high resistance to damage is required.

## Properties

1. PC Joint PS has excellent tear resistance and weathering properties.
2. It is a durable and non-staining resilient sealant.
3. It is available different colors.
4. It has excellent adhesion properties to all types of substrates.
5. It has good resistance to chemical attack ultraviolet lights and saline solutions..

## Guidelines for Usage

**1. Surface Preparation:** Remove all grease, oil, dirt, laitance and foreign particles from the joint

profile that could hamper proper adhesion. Laitance, moulds and contaminants could be removed by mechanical means such as high speed water jet, grit blast or wire brush. Joints subjected to cyclic movements should have width : depth ratio 2:1. Immersible joints should be profiled in the ratio of 1:1.

<u>Type of substrate</u>	<u>Recommended sealant depth</u>
Metal, Glass and other impervious surfaces	5 mm
Porous surfaces	10 mm
Joints exposed to hydrostatic pressures	20 mm
Joints exposed to traffic	5 mm

All kinds of surfaces should be treated with a suitable primer prior to the application of PC Joint PS. Then within 3 hours PC Point PS should be applied.

**2. Mixing:** Mix and use complete unit at a time. Don't subdivide. Mix the entire contents for 5-10 minutes using a medium speed mixing paddle. The sides and base of mixing container should be scrapped and mixing properly.

**3. Application:** The mixed PC Joint PS should be applied using a sealant gun and may be levelled to the surface using a trowel. Sealant guns are fitted with conical nozzles which can be cut to suit the joint width. The sealant should be gunned into the joint using an even trigger pressure, cleaning the nozzle occasionally to

avoid contamination. Deep joints should be filled in two or more runs, to prevent air entrapment. Once the sealant has been applied, a small timber spatula, soaked in soapy water, should be used to compact the sealant into the joints and to achieve a smooth polished finish. Any masking tape which has been applied should be removed before the sealant cures. The application temperatures should be between 4°C to 50°C.

## Coverage

PC Joint PS gives a coverage as follows (length of joint in metres per 1ltr. of material)

Depth of joint in mm	Width of joint in mm				
	10	15	20	25	30
10	10	6.7	5	4	3.33
15	-	4.45	3.33	2.67	2.23
20	-	-	2.5	2	1.67
25	-	-	-	1.6	1.33

## Dosage and measures

PC Joint PS comes in a pre weighed packings. It is ready to apply. Please contact a Mcrete® technical representative for further advice.

## Packings available

PC Joint PS is available in two component 1 kg and 4 kg sealed packs. Part A is resin and Part B is hardener

## Storage and Shelf life

PC Joint PS has 12 months shelf life when stored in original, cool, dry and unopened packs.

## Safety Measures

1. Don't clean the tools and equipments using a solvent. The components and mixed sealant should not be left in contact with skin for prolonged periods. Use soap and water.
2. Use proper safety equipments while mixing e.g. use of safety coats, safety goggle, gloves etc. Any eye contamination should be washed immediately with clean water and immediate medical attention sought.
3. Any masking tape which has been applied should be removed during the application before the sealant cures.

For further information related to application and safety precautions, please contact Mcrete® technical representative.

## Technical data

Aspect	Grey colored viscous liquid. Generally non-staining.
Solid content	97%
Pot Life	24 hours
Shore A Hardness	18
Recommended movement	Transverse $\pm 25\%$ M.A.F. (Movement Accommodation Factor)

For further clarifications Please contact on below address

### Pinjala Chemicals Pvt. Ltd.

Plot No. 172/A, Road No. 24, Phase 2  
Mallapur IDA, Hyderabad-500076,

Email: [info@mcrete.com](mailto:info@mcrete.com), Website: [www.mcrete.com](http://www.mcrete.com)

Ph no: +919985898569, 040-27158569

### Pinjala Chemicals Inc.

30273 Eastridge Drive, Spring,  
Texas 77386, USA

Email: [info.us@mcrete.com](mailto:info.us@mcrete.com), Website: [www.mcrete.com](http://www.mcrete.com)

Ph no: 001-3136861237