



J.C.C-FLEX 400 PU

Colored, Polyurethane joint sealant for horizontal and vertical joints

Product Description

J.C.C-FLEX400PU is a two-component solvent free high-grade polyurethane based sealant which cures to form flexible seal for vertical and horizontal joints with excellent recovery properties. J.C.C-FLEX400PU is supplied as a coloured gun grade sealant.

Uses

J.C.C-FLEX400PU is used for sealing both vertical and horizontal joints when the amount of expected movement or other performance requirements are high. J.C.C-FLEX400PU is used for joint in building and construction above or below ground, for sea walls, subways multi story buildings. bridges. Also for joints subjected to fuel chemicals attacks as in sewage projects, reservoirs, and swimming pools.

Advantages

- Available in multiple colors
- Excellent adhesions to all materials applied in building construction projects.
- Excellent elastomeric and recovery properties.
- Good resistance to chemicals and fuels.
- Wide range of operating temperatures.
- High resistance to weathering, ultraviolet rays.
- Resistance bio-degradation in sewage treatment.

Standards

J.C.C-FLEX400PU is formulated to comply with all requirements of ASTM D 1850. US Federal Specification SS200E & B.S 5212.

Technical Properties

Appearance	Pigmented Paste
Consistency	Gun grade
Solid content	100 %
Specific Gravity	1.45-1.50
Pot life	@ 25 °C 2 hours
	@ 35 °C 60 minutes
Tack free time	@25 °C 24 hours
	@35 °C 12 hours
Mixing ratio (A: B) by weight	8A: 1B
Final setting	7 days
Hardness (shore A)	30-35
Elongation @break	100%

Design Criteria

Ideal width of the joint should be at least two and half times of calculated movement. the depth of the joint should be not exceeding the width. for moving joint in shear, the width should be equal to the depth. J.C.C-FLEX400PU can be applied vertically up to a joint width of 25 mm without slumping .for joint greater than 25 mm wide multiple application necessary .



Joint Preparation

All substrates to which J.C.C-FLEX400PU 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

Mixing

J.C.C-FLEX400PU 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 .clean tools by solvent .

Application

After thorough mixing of the two components place the single hole follower plate over the J.C.C-flex400PU and fill directly into barrel gun. gun sealant 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

Cleaning

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

Packaging

J.C.C-FLEX400 PU is supplied in well sealed 5.850-Kg packs.

Storage & Shelf-life

J.C.C-FLEX400PU 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

J.C.C-FLEX400PU is non-toxic, should not contact with skin and eyes or be swallowed. avoid inhalation of vapors and ensure adequate ventilation. wear suitable protective clothing, gloves .in case of contact with eyes rinse immediately with plenty of clean water and seek medical advice.

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.

For Further Information Contact: www.jcc-sa.com