

CIKOjoint PS



Polysulphide based joint sealant

Description

CIKOjoint PS is a two-part Thiokol based polysulphide joint sealant for horizontal and vertical applications for expansion and contraction joints. The cured material provides very high elastomeric property having a movement accommodation factor of 25%. It exhibits long service life along with resistance to weather, aging, water, salt, ultra violet rays, oil fuels etc.

CIKOjoint PS provides effective bond strength to wide range of substrates such as metal, wood, concrete, glass etc used in building and construction industries.

Properties & Advantages

- Cold applied two component system.
- Available in pouring and gun grade consistency.
- Accommodates cyclic movement of pavement slab due to thermal expansion and contraction.
- Exhibits good UV resistance.
- Provides excellent bond strength over a wide range of substrates.
- Available in standard colours.
- Low maintenance cost.

Application Area & Uses

CIKOjoint PS is a high-quality joint sealant and is suitable for:

- Expansion and contraction joints in buildings.
- Concrete pre-cast claddings.
- Curtain wall structures.
- Industrial floors and basement.
- Joints on roofs.

Applicable Standards

CIKOjoint PS complies with Federal specification TT-S-227E and also USASI specification A116.1-1967 class A and B. ASTM C-920 Type M, Grade NS / Grade P and Class 25. It also meets British Standard BS 4254, BS EN ISO 11600.

Physical properties

Form	Viscous liquid or thixotropic paste
Colour	Grey in general
Solid content	100%
Pot life	60-90 mins
Tacky free time	24 hours @ 25°C
Curing time @ 25°C	72 hours
Movement accommodation factor	25% butt joint 50% lap joint
Chemical resistance	Resistance to spillage to most chemicals. Specific data available on request.
Adhesion in peel ASTM C794	<18% loss in bonding

Coverage / Yield

CIKOjoint PS provides coverage as follows.

Joint size 20mm X 10mm	5.0m per litre
Joint size 20mm X 20mm	2.5m per litre

Note: Coverage rate may vary depending on joint size.

Application instructions

Surface Preparation

Clean the joint substrate to make it free from all loose particles, dust, oil grease and any other form of contamination. In case of oil spillage, proper treatment should be carried out on the surface. The joint must be free from dampness and standing water.

Placing backup rod and masking tape

Closed cell polyurethane-based backup rod must be placed inside the joints. The depth of the sealant shall be maintained by properly placing the backup rod. Fix masking tape on upper face of the concrete.

Application of primer

Prime is not mandatory for application of CIKOjoint PS. However, on porous substrates we recommend to use primer CIKOjoint Primer as per its respective technical data sheet.

Mixing

The base component of CIKOjoint PS should be mixed thoroughly using a heavy-duty slow speed drill-paddle assembly and ensure a homogenous mix. Then hardener component should be poured into the base component and mixed well until a homogenous mix is obtained.

Application method

Horizontal Joints – Pouring Grade

Properly mixed material can be directly poured into the primed joint and levelled to the surface of concrete.

Vertical Joints – Gun Grade

Properly mixed material shall be first filled inside sealant gun and joints must be filled by triggering required amount sealant. The surface shall be levelled using spatula.

Packaging

CIKOjoint PS is available in 2.5 ltr [Gun Grade] and 4.0 ltr [Pouring Grade] kits.

Storage

CIKOjoint PS should be stored under enclosed shaded area at temperatures between 10 – 35°C.

Shelf life

CIKOjoint PS has a shelf life of 12 months in unopened pails and if stored in accordance with CIKO instructions.

Precautions and Recommendations

- Do not use over damp surface or standing water.
- Application temperature shall be +5°C to +50°C.

Health & safety

CIKOjoint PS should not come in contact with eyes or be swallowed. Ensure adequate ventilation and avoid inhalation. Applicators should wear appropriate clothes, gloves and goggles. Use of barrier cream is recommended to provide additional skin protection. If comes in contact with eyes, flush with plenty of fresh water and seek medical advice.

Refer Material Safety Data Sheet for further details.

Technical Support

For any technical support, do not hesitate to contact CIKO team at any time as CIKO offers on and off-site services to end users, specifier and contractors.

More from CIKO Middle East

A wide range of construction chemical products are manufactured by CIKO Middle East which includes:

- Concrete admixtures and additives
- Waterproof and Damp-proof coatings
- Surface Treatments
- Walls, Flooring and Toppings
- Grouts and anchors
- Tile Adhesives and Grouts
- Concrete Repair Materials
- Adhesives and Bonding Agents
- Protective Coatings & Sealers
- Joint Sealants and Moulding compounds
- Sports Flooring
- Plastering Mortars
- Paints

Legal Notice and Warranty

CIKO warrants this product to be free from manufacturing defects and to meet the technical properties stated in the current Technical Data Sheet, if used as directed within its shelf life. Satisfactory results depend not only on quality of product but also on many factors beyond our control. CIKO makes no other warranty or guarantee, express or implied, including warranties of merchantability or fitness for a particular purpose with respect to its product. The sole and exclusive remedy of purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the sole option of CIKO. Any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by purchaser. CIKO will not be responsible for any special incidental, consequential including lost profits or punitive damages of any kind. Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. This information and all further technical advice are based on CIKO's present knowledge and experience. However, CIKO assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights, nor shall any legal relationship be created by or arise from the provision of such information and advice. CIKO reserves the right to make any changes according to technological progress or further developments. The Purchaser of the Product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with a full application of the product(s). Performance of the product described herein should be verified by testing and carried out by qualified experts.

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All CIKO products are manufactured under a strict management system conforming to and in compliance with requirements of international standards of Quality, Environmental, occupational Health and Safety ISO 9001, ISO14001 and ISO45001.