

CIKOjoint AC

One component acrylic based joint sealant

Description

CIKOjoint AC is a single component gun grade sealant which is easy to apply and efficiently seals joints between construction parts subjected to moderate stress. It is a ready to use and seals internal and external joints in substrate such as concrete, asbestos, cement, brick work and wood. This sealant is based on acrylic copolymer resin that cures when exposed to the outside atmosphere.

In addition for providing a good adhesion to most porous surfaces, CIKOjoint AC is resistant to weathering, abrasion, water, salts, ultra violet rays, etc.

Properties

- East to use and handle- single component
- Paintable
- Exhibits good UV resistance.
- Resistance to weathering and abrasion.
- No surface pre-treatment or primer required in most of the surfaces.
- Water based low VOC sealant.

Application area

CIKOjoint AC is a high quality joint sealant and is suitable for,

- Around doors and window frames
- Around ventilation grills
- Joints between ceilings and walls
- Joints in block work where only low movement is expected
- Sealing of duct holes, etc.

Physical properties

Form	Smooth paste
Colour	White/grey
Solid content	80±2%
VOC (EPA 24)	<20 g/l
Consistency	Non sag
Density	1.60±0.05 Kg/l
Application temperature	+5 ⁰ C to +40 ⁰ C
Skin formation	10±5 Minutes
Full curing	7 days
Dry to Handle	24 Hrs
Elongation ASTM D 412	>150%
Service temperature	-5 ⁰ C to +80 ⁰ C
Movement accommodation factor	±10%
Maximum joint Width	25mm
Minimum joint Width	5mm

Coverage

CIKOjoint AC provides coverage as follows.

Joint size 20mm X 10mm	3.0m per kg
Joint size 20mm X 20mm	1.5m per kg

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 and remove it immediately after finishing the application of the sealant.

Application of primer

Prime is not mandatory for application of CIKOjoint AC. However on porous substrates we recommend to use primer 'CIKOPrimer AC'. A test placement is always recommended.

Application method

CIKOjoint AC is supplied as a ready to use product. The product can be applied with normal caulking guns, putty knives and with most types of bulk dispensing equipment. After suitable joint preparation and masking, gun the sealant into the gap continuously. ..

The non-sag paste consistency of the material makes it very friendly to use, easy to tool with spatula. The product cures at room temperature when it is exposed to moisture and the curing happens from surface to inside the sealant. The skin formation happens within a maximum period of 15 minutes. Any necessary tooling has to be completed within 5 minutes of application. If in case masking tape is used to mark off the area, it has to be removed before skin is formed. Mask areas adjacent to joints to ensure neat sealant lines. Always apply the Sealant in a continuous operation using positive pressure. Before skin forms (typically within 5 minutes), tool the sealant with light pressure to spread the sealant against the backing material and joint surfaces. Remove masking tape as soon as the bead is tooled.

Cleaning

Use water to clean the tools and equipment immediately after use. Hardened material should be removed mechanically.

Packaging

CIKOjoint AC is available in 5, 10 and 20 kg pails.

Shelf Life

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

Storage

CIKOjoint AC should be stored under enclosed shaded area at temperatures between 10 – 35⁰C.

Precautions

CIKOjoint AC is not recommended for

- Joints having high degree of movements
- Damp , contaminated & constant water retaining surfaces
- Heavily trafficked floor joints
- Min/max joint width must be 5mm/25mm. The cured sealant may be over-painted with most paints; however, a test is advised. As soon as a tough skin has formed most water based paints can be applied. For oil based paints wait 24 hours or more before painting

Health & safety

CIKOjoint AC should not come in contact with eyes or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Applicator should wear appropriate clothes, gloves and goggles. Usage 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
- Waterproofing and damp proof coatings
- Surface treatments
- Flooring and toppings
- Grouts and anchors
- Tile adhesives and grout
- Concrete repair materials
- Adhesives and bonding agent
- Protective coating
- Joint Sealants and Moulding compounds
- Ancillaries

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Note: The information presented here is based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because the results depend not only on quality but also on other factors beyond our control.

