

CIKOjoint WS

One component Swellable Sealant and adhesive

Description

CIKOjoint WS is a one component swellable sealant and adhesive based on MS hybrid polymers. Fixing glue ensures fast and strong fixation of water swellable sealing bars to concrete. The fast skin formation and curing allows concrete casting after a few hours. Moreover, CIKOjoint WS fixing glue has excellent adhesion strength even on wet concrete surfaces.

Properties

- Easy to apply, to gun and tool
- Swell in contact with water
- Water tight sealant
- Accommodates cyclic movement due to thermal expansion and contraction.
- Good chemical resistance
- Provides excellent bond strength on a wide range of substrates
- Low maintenance cost.
- Completely weather resistant.
- No mixing, less labour
- Excellent workability characteristics

Application area

CIKOjoint WS is a high quality joint sealant and adhesive for exterior and interior applications. It is most suitable for,

- As adhesive for swellable bars
- Sealing the gaps around pipes
- Parking areas
- Port and docks.
- Flashing termination and floor joints
- Water structures:
 - Dam
 - swimming pool
 - reservoir
 - Tanks.

Physical properties

Colour	Grey
Processing Temperature with 50% RH	+5 up to +40°C
Volume change (DIN 52451)	Approximately 6%
Consistency	Very Thixotropic
Density (23°C)	1.4 ± 0.05g/cm ³
Skin Formation time at 23 °C / 50% RH	Approximately 5minutes
Curing Rate (24hrs at 23 °C / 50% RH)	Approximately 3.5mm
Temperature stability after curing	-40 °C up to +90 °C 200 °C for short time
Hardness shore A DIN53505 after 3 weeks storage @ 23 °C/50% RH	50±2
Elongation modulus at 100% (DIN53504 S2)	Approximately 1.6N/mm ²
Tensile Strength (DIN53504 S2)	Approximately 3N/mm ²
Elongation at break (DIN53504)	Approximately 300%

Chemical Resistance

- Good: against water, aliphatic solvents, oils, fat, watered inorganic acids and alkalis
- Moderate: against esters, ketone and aromatics.
- Not resistant: against concentrated acids and chlorinated hydrocarbons.
- Completely weather resistant

Coverage

CIKOjoint WS cartridge provides coverage as follows.

Joint size 10mm X 10mm	3m per litre
Joint size 20mm X 10mm	1.5m 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.

Application as adhesive

- No primer is required when applying CIKOjoint WS on a clean concrete surface.
- After gluing, the water swellable sealing bar needs to be pressed down, to ensure full contact with the glue underneath and achieve optimal adhesion.

Packaging

CIKOjoint WS is available in 290ml cartridges.

Shelf life

CIKOjoint WS has a shelf life of 15 months in unopened pails and if stored in accordance with CIKO instructions.

Storage

CIKOjoint WS should be stored under enclosed shaded area at temperatures between 5 – 25°C.

Health & safety

CIKOjoint WS 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. 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
- 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