

CIKOjoint Plyflex 1200

One part polyurethane Sealant

Description

As in general use, one component polyurethane sealant cures with moisture, to form a tough & elastic seal with wide temperature application range. CIKOjoint PLYFLEX 1200 is used for both vertical and horizontal applications. It possess an excellent adhesion to all types of construction materials such as cement based material, bricks, ceramic, glass, wood, galvanized and painted sheet iron and specific plastics.

Advantages

- Easy to gun and tool
- Bonds to most construction materials without a primer
- Weather and UV resistant
- Water tight
- Paintable
- Excellent flexibility for keeping movement joints weather tight
- No mixing, less labour
- Long lasting weather tight seal
- Excellent workability characteristics
- Permanently elastic
- High mechanical performance

Applicable standards

CIKOjoint Plyflex 1200 complies with

- ASTM C920, Type S, Grade NS, use T & NT, Class 50
- BS 6920-1 for the metallic water soluble impurities and it is suitable for use in drinking water system.
- Meets the French VOC requirements for Class A+
- Complies with Qatar Construction Specifications QCS.

Uses

- Expansion joint between many different construction materials.
- Sealing and bonding of Air conditions and ducting system

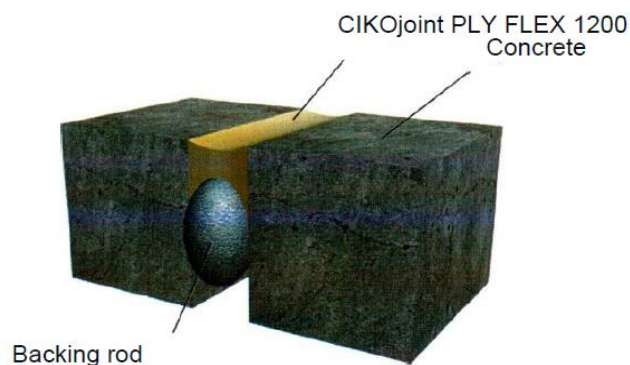
- Flashing termination and floor joints
- Sealing joints around windows & doors.
- Water structures: Dam, swimming pool, reservoir, etc.
- Sealing concrete control and construction joint.
- Wood, metal aluminium and PVC frames.
- Expansion joints between precast concrete panels.
- Indoor and outdoor applications for pedestrian and traffic areas.

Surface preparation

All surfaces must be clean, dry and free from oil, grease and all loosely adhering particles.

Application

CIKOjoint Plyflex 1200 is applied direct from the cartridge or the uni-pack with a suitable sealant gun.

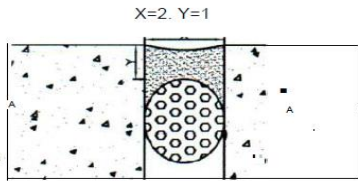


Primer

Primer is not required however for porous surface apply CIKOprimer PU which is a one component polyurethane primer. Apply the primer on the sides of the clean, dry joints using brush. Allow the primer to become tacky (20-30min) before applying joint sealant CIKOjoint Plyflex 1200.

Back Up

Use closed cell polyethylene profiles.



Physical & Chemical Characteristics

Criteria	Specifications & Test Standards
Density	1.2±0.03 g/cm ³ , ASTM D1475 (23 °C & 50% R.H)
Hardness Shore A	25-30, ASTM D2240 after 28 days
Service temperature	-40 °C to 90 °C,
Application temperature	5 °C up to 40 °C
Cracking and chalking after heat aging	None, ASTM C792
Movement accommodation factor	50%
Solids content	100%
Width to depth ratio	2:1
Tack free time	20 to 70 minutes (23 °C & 50% R.H)
Cure rate	Approx. 2.5 mm/day (23 °C & 50% R.H)
Elongation at break	>900%, ASTM D412
Tensile strength	1.5-2 MPa, ASTM D412
Toxicity	Not toxic, Complies to BS 6920-1
Colours	White, grey, beige, black
Applicable joint width	Up to 60mm
VOC (EPA 24)	<10g/l
Chemical resistance to occasional spillage to sewage, sabkha, mineral acids and alkalis	

Coverage:

600 ML sausage of CIKOjoint plyflex 1200 provides the below coverage in Linear meter:

Depth	Width					
	15mm	20mm	25mm	30mm	35mm	
8mm	5 L.m					
10mm		3 L.m				
12mm			2 L.m			
15mm				1.3 L.m	1.1 L.m	

Packaging

CIKOjoint Plyflex 1200 is available in 600cc sausages for all available colours.

Storage

Storage should be stored in closed area at temperatures between + 5°C and 25°C away from moisture, sun light and heat.

Precautions

- Do not use over damp surface or standing water.
- Avoid application temperature below 5°C and above 40°C.
- Avoid applying over surfaces having temperatures greater than 40°C.

Shelf life

CIKOjoint Plyflex 1200 has a shelf life of 15 months if unopened and stored in accordance with manufacturer instructions as written in the storage section.

Health & safety

CIKOjoint plyflex 1200 should not come in contact with eyes or to be swallowed. Ensure adequate ventilation and avoid inhalation of vapours.

Applicator should wear suitable cloths, gloves and goggles. Use barrier creams recommended providing 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.

- *Joint Sealants and Moulding compounds*
- *Ancillaries*

Technical Support

For further 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*

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Note: The information presented herein 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 results depend not only on quality but also on other factors beyond our control



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ت : ٤٤١١ ٤٧٨٧ ، ٤٤١١ ٤٧٩٠ ، ٤٤١١ ٤٧٩٤
فاكس : ٤٤١١ ٤٧٩٢

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