



JCC-FLEX 50 AC

One-Component, Elasto-plastic, ability of over coating Acrylic Sealant

Product Description

JCC-FLEX 50 AC is a one-component, elasto-plastic joint sealant on an acrylic-dispersion base. JCC-FLEX 50 AC is normally used internally and externally for joints with low movement, which are to be over coated with dispersions or wall papers. In case of doubts we recommend carrying out trials to confirm the compatibility. JCC-FLEX 50 AC is of pasty and sag resistance form, which hardens through the suitable for use in hot and tropical climates.

Uses

JCC-FLEX 50 AC is used for sealing joints in:

- Window and door frames both internally or externally.
- Brick-work and block-work.
- Joining precast elements in house construction.
- Lightweight cladding panels.
- Low compression and expansion movement on concrete, mortars, renderings, fiber cement and wood.

Advantages

- Suitable where over coating on the sealant.
- Suitable sealing of interior and exterior connection joints.
- Excellent adhesion to most common substrates.
- Suitable for use in hot and tropical climates.
- Excellent insulation properties.
- Excellently stops smoke.

Standards

JAZEFLEX 50 AS Comply with the requirement and evaluated in accordance with **ASTM C 834**

Test Methods

- ASTM D 1475
- ASTM E 84
- ASTM D412
- ASTM D 22
- ASTM E 90

Technical Properties

Form	One-Part, Sag resistance paste
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Colours	White and colours
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Movement Accommodation Factor	15%
(ASTM D 22)	

Skinning Time	Approx 30-60 minutes
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Cure time	1-3 weeks depending on climate and thickness	
Tack free time	@25 °C	12 hours
	@50 °C	8 hours
Service Temperature	up to 70 °C	
Sag resistance	Excellent	
Density	1.50 kg/Liter	
ASTM D 1475		
Sound transmission classification	STC 63	
ASTM E 90		
Joint Configuration		
Width < 10 mm	Width: Depth = 1: 1	
Width > 10 mm	Width: Depth = 2:1	
Surface Burning Characteristics	Flame spread: 10	
ASTM E 84-08	Smoke Development: 10	

Consumption

Number of cartridges required =

$$\frac{\text{Joint Width (mm)} \times \text{Sealant Depth (mm)} \times \text{Joint Length (M)}}{300 \text{ ml}}$$

A further amount should be allowed for wastage.

Guidelines for Applications

Joint Preparation

All substrates to which JCC-FLEX 50 AC is bonded must be clean, dry and sound, clean free from dust, grease & oil, dirt or any bond-inhibiting materials.

Joint Design

	Maximum	Minimum
Joint width	40 mm	2 mm
Joint depth	20 mm	5 mm

For common applications:

Joint width	Width to depth ratio
Less than 10 mm	1:1
10 to 40 mm	2:1



Application

JCC-FLEX 50 AC can be applied by hand or air operated caulking gun. Ensure that the sealants pushed firmly into the joint to give complete wetting of the surface. Any tooling of the sealant surface must be carried out immediately using a joint shaping tool soaked in white spirit, or wet sponge. If required, the edges of the joint can be protected with masking tape. If this is done ensure that the tape is removed immediately after tooling.

Cleaning

All equipment & tools shall be cleaned with water after work immediately. Cured sealant can be removed mechanically or by soaking in MEK.

Packaging

JCC-FLEX 50 AC is supplied in well sealed 300 ml cartridges (24 cartridges per carton) as well as in 600 ml sausages (25 cartridges per carton).

Storage & Shelf-life

JCC-FLEX 50 AC shall be stored in normal conditions away from any extreme temperatures, or any source of moisture. 12-monthes if stored properly in unopened cartridges.

Precaution

JCC-FLEX 50 AC is not recommended for joints subject to water immersion.

Health & Safety

- JCC-FLEX 50 AS is non-toxic, non-corrosive, and non-dangerous.
- Avoid contact with eyes and skin
- In the event of eye contact, wash thoroughly with clean water.
- Splashes on skin will be washed with water and soap.

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.