Construction

Sikaflex®- 11 FC

One Component Polyurethane Sealant / Adhesive

Description	Sikaflex®- 11 FC is a fast curing, one-component polyurethane sealant /adhesive with permanent elasticity.
Uses	As an elastic adhesive for : ■ Assembling metal framed buildings. ■ Cover plates and covings. ■ Light-weight construction materials. ■ Acoustic ceiling tiles. ■ Wood, metal or plastic window and door frames. ■ Floor mouldings and door sills. As an elastic joint sealant for: ■ Sealing joints in concrete, epoxy, stone and quarry tiled floors. ■ Sealing joints in roofing and guttering etc. ■ Flexible draught proofing. ■ Containers, water tanks and silos. ■ Excellent pick resistance for applications in shop fronts, prisons, schools, public amenities and buildings. ■ Bolted lap joints. ■ Sealing penetrations in walls or floors for ducts, piping, etc. ■ Sanitary purposes.
Advantages	■ New Sikaflex®- 11 FC will bond to well cleaned old Sikaflex®- 11 FC . ■ Excellent adhesion on all cement-based materials, bricks, ceramics, metals, wood, polyurethane, epoxy, and some polyesters. ■ Fast cure rate. ■ High durability. ■ High abrasion resistance and tear strength. ■ Good weathering and water resistance and tear strength. ■ Good weathering and water resistance. ■ Non-sag on vertical joints up to 30 mm width. ■ Ready for immediate use - no mixing. ■ Non-corrosive. ■ Can be painted ■
Packaging	Cartridge 310 ml X 20 pieces / box
Color	Concrete Gray, White

Attention

This is a Product data sheet on strength of the JIS A 5758 1992.

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Technical Data

Specific gravity JIS A 5758	1.15		
Loss on heating (%) JIS A 5758	6.0		
Staining JIS A 5758	No		
Class of durability JIS A 5758	Similar 8020		
Shelf Life (at +5℃ ~ + 25℃)	9 months		
Extrudability (sec) JIS A 5758	5°C		6
	20°C		3
Slump (mm) JIS A 5758	50°C	vertical	0
		horizontal	0
Tack free time (hours) JIS A 5758	20°C	3	
Curing speed At 5 mm (thickness)	5℃	Over 7 days	
	20°C	2 days	
	35°C	1 day	
Shore A hardness JIS K 6301	42		
Service temperature	- 30°C ~ +80°C		
Capacity			
Ozone resistance JIS A 5758	Good		

Tensile strength JIS A 5758

50% modulus (N/cm²)	After Curing	20℃	43
		- 10℃	68
	After Heating	20℃	70
		- 10℃	113
	After Immersion in water	20℃	45
Tensile strength (N/cm²)	After Curing	20℃	131
		- 10℃	219
	After Heating	20℃	144
		- 10℃	207
	After Immersion in water	20℃	116
Elongation at break (%)	After Curing	20℃	420
		- 10℃	460
	After Heating	20℃	330
		- 10℃	300
	After Immersion in water	20℃	410

* The stated figures are based on laboratory tests.
Actual measured data may vary due to circumstances beyond our control.

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Notes

Before construct

- Please clean on the surface before you spread **Sikaflex®** **Sikabond®**
- When you clean on the surface for the cloth that moisten solvent. (Non alcohol)
- In case of apply paint after construct. Please apply paint speedily within a week.
- Please confirm without problems if you paint on polyurethane sealant.
- Paint can't apply on the silicone.
- Spread a primer before using.
- Don't touch directly. If you touch it, wash your hands early.
- Don't put in your eyes. If you put in, wash your eyes.
- Don't breathe in steam. If you breathe in steam, keep quiet in pure place.
- If you drink it, as soon as go through a doctor.
- Please put on gloves, goggle, and mask.
- Don't use near fire.
- Please ventilate at using.
- Please use early after opened.
- Please store in cool and dry conditions. (at +5℃ t o +25℃)
- When you throw out after cured products.

Legal Notes

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