

# FARCO LEVEL FLEX

## One Component Self-Leveling Polyurethane Sealant

### Product Description

FARCO LEVEL FLEX is a high modulus, moisture curing, self leveling, and one component sealant based on polyurethane.

#### ⦿ Uses

- Dilatation joints in industrial floors
- Horizontal tile joints and filling of floor cracks
- Horizontal joints in warehouses, factories, parkings, terraces, roof works, road works and tanks

#### ⦿ Advantages

- Very easy application
- Suitable for all climates
- Bubble - free curing, no yellowing
- Resist permanent deformation
- Excellent resistance to abrasion
- Exceptional resistance to water, UV-Rays, corrosive environments
- Very good resistance to acids and petroleum-based hydrocarbons
- Stays elastic after curing

#### ⦿ Standard compli-cance

- ASTM C 920 , TYPE S, GRADE P, CLASS 25
- TT- S - 00230 C , TYPE I , CLASS A
- ISO 11600 -F-25LM

#### ⦿ Technical Data

Base	Polyurethane
Consistency	Pourable paste
system	Misture curing
Density	1.25 g/ml
Shrinking	none
Shore-A hardness	35' (3sec-ISO868)
Application temperature range	+5'c to +30'c
Temperature resistance	-30'c to +90'c
Tack free time	60min (23'c, 50% R.H.)
Curing speed	2mm/day (23'c, 50% R.H.)
Elongation at break	300% (ISO 37)
E- Modulus at 100%	0.5Mpa (ISO 37)

#### ⦿ Method of use

##### Surface preparation

- Joint walls must be sound, clean, dry, and free from oil and grease. Curing compound residues and any other foreign matter must be thoroughly removed, install bond breaker to prevent bond at the base of joint.
- Priming is not usually necessary. Most substrates only require priming if testing indicates a need or where sealant will be subjected to water immersion after cure.

- New concrete must be minimum of 28 days old.

- Substrates must be dry; application in wet or damp joints will cause bubbling of the material

##### Mixing

FARCO LEVEL FLEX is a one component and requires no pre-blending. It should be used directly from the container.

##### Application

- For good performance, it is essential that the sealant is only bonded to the two facing sides of the joint to achieve this, install a backup material (closed cell polyethylene or open cell polyurethane foam).

- Apply the sealant in a continuous operation making sure all air pockets or voids are eliminated. Tool the sealant with light pressure to spread the material against the joint surfaces.



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· This operation should be made with dry spatula before skin formation occurs.

### Cleaning

Material: Immediately with solvent

Hardened sealant: can only be removed mechanically

Hands: soap and water

### Curing

FARCO LEVEL FLEX requires no special curing.

### Joint Dimensions

Joint width should be 4 times the expected joint movement, the depth of the sealant should be  $\frac{1}{2}$  the width of the joint material. The maximum depth is 15 mm. Installation of FARCO LEVEL FLEX deeper than what is recommended can cause bubbling or incomplete curing of the material.

Minimum depth: 6mm

Maximum depth: 15mm

Minimum width: 6mm

Maximum width: 30mm

### Coverage

Joint size (mm)	M. liter per meter	Meter per 600ml foil bag
6×6	36	16.66
10×6	60	10
13×6	78	7.7
20×10	200	3
25×12	300	2
30×15	450	1.33

### Limitations

- Use only at temperatures above 4°C.
- Avoid exposure to high levels of chlorine.
- Avoid contact with alcohol and other solvent cleaners during cure.
- Do not cure in the presence of curing silicone sealant.
- Do not apply in or damp joints, as this can cause bubbling within the sealant.

### Packaging

FARCO LEVEL FLEX is supplied in 600 ml foil bags.

### Storage

FARCO LEVEL FLEX in dry condition at temperatures between 5°C to 30°C.

### Shelf life

12 month in original closed packing

### Safety and Handling Precautions

Apply the usual industrial hygiene.

Prevent contact with skin, eyes or clothing.

Wash thoroughly after handling. Do not take internally.

### Technical Service

The SHIMISAKHTEMAN Technical Service Department is available to assist you in the correct use of our products in the field



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