

# FARCO FLEX CS51

## One Component Low-Modulus Sealant Based on Polyurethane

### Product Description

FARCOFLEX-CS51 is a high quality, moisture curing, non sag, gun grade, elastic, one component sealant, based on polyurethane.

#### ● Uses

- Exterior and interior dilatation joints in concrete
- Exterior and sealing joints in almost all building substrates
- Joints between wooden, metal, aluminum or PVC frames and masonry

#### ● Advantages

- Very easy application
- Low modulus
- Stays elastic after curing
- Excellent adhesion to most building substrates
- Paintable (prior compatibility tests is necessary)
- First rate resistance to water and UV - Rays

#### ● Standard compliance

- ASTM C 920, TYPE S, GRADE NS , CLASS25
- DIN 18540
- ISO 11600 F-25LM
- SNJF 1 CATEGORIE
- TT- S - 00230 C, TYPE II , CLASS A

#### ● Technical Data

Base	Polyurethane
Consistency	Thixotropic paste
Curing system	Moisture curing
Density	1.19 g/ml
Slump	None (ISO 7390)
Shore- A (hardness)	25' (3sec - ISO 868)
Application temperature range	+5°c to +30°c
Temperature resistance	-30°c to +80°c
Tack free time	≈ 15min (23°c, 50% R.H.)
Curing speed	≈ 3mm/day (23°c, 50% R.H.)
Elongation at break	600% (ISO37)
E- Modulus at 100%	0.2Mpa (ISO 8339)
Maximum allowed distortion	±25%

### ● Method of use

#### Surface preparation

· Joint walls must be sound, clean, dry, 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

FARCOFLEX-CS51 is 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. This operation should be made with dry spatula before skin formation occurs.



# FARCO FLEX CS51

## Cleaning

Material: Immediately with solvent

Hardened sealant: can only be removed mechanically

hands: soap and water

## Curing

FARCOFLEX-CS51 requires no special curing.

## Joint Dimensions

- Joint width should be 4 times the expected joint movement, the depth of the sealant should be ½ the width of the joint. The maximum depth is 15 mm.
- Installation of FARCOFLEX-CS51 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

FARCOFLEX-CS51 is supplied in 600 ml foil bags.

## Storage

Store FARCOFLEX-CS51 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.



242 Bldg., Mirdamad Blvd., After Naft St., Tehran. Iran

Tel: +98 21 (22263100 , 22263099 , 22259736) Fax:+98 21 22260586



+98 21 27427