

## INNO-FIX FOX POLYFLEX FX119

**Cement Based, Easy Spreading, Long Working Time, High Performance, Flexible, Especially Large Size Ceramic, Granite, Marble, Natural Stone Adhesive**

### Description

**FOX POLYFLEX FX119** is a cement based, easy spreading, long working time, suitable for all climatic conditions, high performance, long lasting adhesive especially designed for horizontal applications that allow a wide adhesion by spreading easily to the adhesion areas of large-sized ceramics, granites, natural stones and marbles. It can be used indoors and outdoors, horizontally.

**In compliance with TS EN 12004 -1:2017 C2ES1 standards.**

**C2 : Cement Based, Additional Features Improved, High Performance**

**E : Open Waiting Time Extended**

**S1 : Flexible**

### Fields of Application

- Indoors and outdoors, horizontal applications,
- Underfloor heated and industrial floors,
- For bonding materials such as granite, ceramic, marble, natural stone, slate stone, cotto, floor stones to smooth or uneven concrete surfaces,
- In shopping malls,
- In hotels and hospitals,
- On balconies, terraces and wet areas,
- Used for ceramic bonding on ceramics in renovation and repair works.

### Advantages

- Has a fluent consistency and can be applied very easily.
- Flexible, not affected by vibrations.
- Does not shrink.
- Adapts to ground stresses arising from temperature differences and is not affected.
- The application speed increases as no mortar is required to be applied on the back surface of the plates.
- Resistant to freeze-thaw cycle.

### Technical Data

Structure of Material	Special Cement, Mineral Filler, Polymer Additive	
Density	1,75 kg/lt	
Color	Gray	
Bond Strength	28 days	$\geq 1,2$ N/mm <sup>2</sup>
Grouting Application	12 hours later	
Application Thickness	between 4 - 15 mm	
Application Surface Temperature	+5°C / + 35°C	
Service Temperature	-40°C / + 80°C	
Initial Curing Time	3-5 minutes	
Working Time	1 hours	
Open Waiting Time	30 minutes	
Wettability	Min. % 98	
Time of Walkable on it	12 hours	
Opening Time to Traffic	48 hours	
Fire Reaction Class	A2	



The above values are given for +23°C and 50% relative humidity. High temperatures shorten the time, low temperatures extend the time



## Application Procedure

### Preparation of the Substrate

#### Cement Based Substrates

The surfaces to be applied must be sound and free from dust and dirt of any kind and must be in balance. Areas requiring repairs should be repaired with **INNO-CRETE** series repair mortars at least 1 day before. If the surface temperature is above +25°C, the surface should be slightly moistened.

#### Mixing

The appropriate amount of water described on the package is poured into a clean mixing container **FOX POLYFLEX FX119** bag is opened and added slowly into the water. It is mixed for about 3-4 minutes until it is homogenous with 400 - 600 rpm mixing drill. There should be no lumps in the material. After the material is rested for about 3 minutes, it is mixed again for 1 minute and made ready for application.

#### Mixing Rates

Approximately 5,75 lt of water should be used for 25 kg/1 bag **FOX POLYFLEX FX119**.

Approximately 230 gr of water should be used for 1 kg **FOX POLYFLEX FX119**.

#### Application

**FOX POLYFLEX FX119** is poured from the mixing bowl onto the ground and, after its spread, is pulled in one direction with a wide toothed trowel to obtain uniform thickness. Within 30 minutes of open waiting time, ceramics or granites are placed by flotation method to ensure that the coatings fully contact the mortar. The application is completed by leaving the recommended joint gap according to the ceramic or granite size. Joint filling application can be started after approximately 12 hours.

#### Applicability Test

Open waiting time should be checked for ceramic applicability test on the adhesive. The finger is pressed on the adhesive on the applied surface. If the adhesive spreads on the finger, the application of adhering the ceramics and tiles is continued. If the adhesive does not spread on the finger, the application time of the adhesive has passed. In this case, the adhesive should be scraped off the surface and new adhesive should be applied.

#### Cleaning of the Tools

Tools and equipment used after the application should be cleaned with water. **FOX POLYFLEX FX119** can only be mechanically cleaned from the surface after hardening.

#### Coverage

Generally, it is recommended to use a comb thickness of 8 - 10 mm.

Coverage in this case is between 5.5 kg/m<sup>2</sup> and 7 kg/m<sup>2</sup>.

#### Watch Points

- In **FOX POLYFLEX FX119** application, if the ambient and surface temperature is below +5°C or above +35°C, suitable temperatures should be expected. It should not be applied in extremely hot, rainy and very windy weather.
- In outdoor applications, the application area should be protected from sun, rain, wind and frost for the first 24 hours.
- Working and reaction times of ceramic adhesive mortars are affected by air temperature, humidity and floor temperatures.
- High temperatures accelerate hydration and the working time is shortened accordingly. Low temperatures slow down hydration, and thus extend the working time. In order for the material to complete its curing, the floor temperature and ambient temperature to be applied must not fall below the minimum allowed value.

#### Package

25 kg polythene craft bag

#### Shelf Life

When stored properly at room temperature, away from direct sunlight, between +5°C and +30°C, shelf life is 12 months from the date of production. Opened packages should be consumed within 1 week by closing their mouths.

#### Storage

Should be stored in its original package, in a cool and dry place protected from frost. In short-term storage, maximum 3 pallets should be placed on top of each other and shipment should be made with the first-in, first-out system. In long-term storage, pallets should not be placed on top of each other.



### Safety Precautions

It is dangerous to approach the storage and application areas with fire. Storage and application areas should be ventilated.

During the application, work clothes, protective gloves, goggles, masks in accordance with the occupational health and safety rules should be used.

During storage and application, the material should not be contacted with the skin and eyes, if contacted, should be washed immediately with plenty of water and soap, and if swallowed, should be sought medical attention immediately. Foods and drinks should not be taken into the application areas. The material should be stored out of the reach of children.

For detailed information, please refer to the Material Safety Data Sheet.

### Disclaimer

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