

# CERMIJOINT 3-10 FLEX

**CEMENT BASED, HIGH PERFORMANCE, SILICONE ADDED, ELASTIC, HYGIENIC JOINT FILLER**



Different color alternatives



- Showing the color completely with its smooth surface
- Hard to dirty, easy to clean
- Easy to apply, does not crack and collapse

- Proven bacteria resistance, mold and algae-free
- Water repellent and elastic
- High resistance to thermal shocks and abrasion

## PRODUCT INFORMATION

### WHERE TO USE

- Underfloor heating, terrace, etc. in areas with high temperature changes,
- Shopping mall, school, hotel etc. in floor applications subject to heavy pedestrian traffic,
- Pool, Turkish bath, bathroom, etc. in wet areas,
- Ideal for grouting applications between 2-12 mm indoors and outdoors of porcelain ceramic, granite ceramic, natural stone, ceramic, cotto, marble, glass mosaic etc. coating materials.

### GENERAL FEATURES

**Structure :** High quality cement, filler, performance enhancer powder product containing polymer additives and silicone.

**Color :** Different color alternatives

**Density :**  $1.40 \pm 0,05 \text{ gr/cm}^3$

### TECHNICAL CHARACTERISTICS

**Water absorption (after 30 minutes):**  $\leq 2 \text{ g}$

**Water absorption (after 240 minutes):**  $\leq 5 \text{ g}$

**Moisture resistance:** Perfect

**Alkali resistance:** Perfect

**Acid resistance:** good (for  $\text{Ph} > 3$  acids)

**Temperature resistance:**  $-30^\circ\text{C} - +70^\circ\text{C}$

**Flexural strength:**  $\geq 2.5 \text{ MPa (N/mm}^2\text{)}$

**Compressive strength:**  $\geq 15 \text{ MPa (N/mm}^2\text{)}$

**Abrasion resistance:**  $\leq 1000 \text{ mm}^3$

**Shrinkage value:**  $\leq 2 \text{ mm/m}$

(\*) These values are results of laboratory tests and they are performance values recorded 28 days after the finished applications. The values may vary because of different site conditions

### STANDARDS AND DOCUMENTS

- EN 13888 / CG2 WA class
- G
- Public works pos. No. : 10.300.2232

### CONSUMPTION

According to Joint Width  
Approximate Consumption (gr/m<sup>2</sup>)

Tile Dimensions (cm)	Tile Thickness (mm)	2 mm	3 mm	5 mm	8 mm
10x10	6	400	600	950	1525
20x20	8	275	400	650	1050
30x30	8	175	250	400	650
30x60	8	140	200	325	525
45x45	8	125	180	300	480
60x60	9	100	150	250	400
60x120	9	80	120	190	310

### PACKAGING

- 10 and 20 kg kraft bags
- 1 and 5 kg polyethylene packaging

### STORAGE

- Maximum 10 kraft bags can be stacked on top of each other.
- Moisture-free, dry and protected against external weather conditions should be stocked in warehouses.
- Shelf life is 1 year in kraft packages and 2 years in polyethylene packages under appropriate storage conditions.
- Opened packages should be kept tightly closed.



Interior – Exterior



Hygienic



2-12 mm



Homogeneous Mixture



Flexible



Application Temperature



Freeze Thaw Resistance



Floor Heating



Pedestrian Traffic



Easy Cleaning

**CERMIX**

Date of Revision : 05/09/2023

Revision Number : 01

## CERMIJOINT 3-10 FLEX

## UYGULAMA

## APPLICATION PROCEDURE

**Mixing ratio:** 5.8-6.6 lt water for 20 kg powder product  
**Time to use the mixture (pot life):** 1 hour  
**Application temperature:** +5 °C - +35 °C  
**Recommended joint width:** 2-12 mm  
**Set time:** Minimum 24 hours (for light pedestrian traffic)

## SUBSTRATE PREPARATION

- Joint gaps are made of residues preventing adhesion, must be clean, completely empty and smooth.
- After the adhesive application, the recommended waiting time does not pass, grouting should not be applied.
- Joint gaps in highly absorbent ceramics, in high air temperature or in extremely windy environments should be moistened with clean water before application.

## APPLICATION

- 20 kg of **CERMIJOINT 3-10 FLEX** should be added to 5.8-6.6 liters (29-33%) clean water slowly and mixed with a low-speed mixer until homogeneous.
- Let the mixture rest for 5 minutes, then apply. It is mixed again for 1-2 minutes before starting.
- The prepared mortar will not flow when it is taken on the trowel should be in consistency.
- The prepared **CERMIJOINT 3-10 FLEX** should be spread on the surface and circular parallel and diagonal joint trowel with rubber sole joint gaps should be filled completely with movements. If the application is made only with parallel movements, the joint filler separation, deterioration and roughening on the surface of the material visible.
- The joint filling process should be continued in the same direction in which it was started. Excess filling joint mortar should be peeled off the surface and cleaned.
- Let the joint filler material dry and the surface when it starts to dull, under normal conditions after 10-15 minutes, the residues on the surface are cleaned with a damp sponge. It should be cleaned using circular movements.
- Before the time of the cleaning process, dirty or excessive done with a wet sponge; dusting on the surface of the product, moisture, color fluctuation, pinhole or collapse may cause such problems.

## RECOMMENDATIONS

- All tools used after the application should be washed with water.
- Jointed surfaces should be protected from sunlight, frost and rain for at least 24 hours.
- Before applying with highly absorbent, porous or stain sensitive coating materials, a preliminary test should be made and necessary precautions should be taken against staining.
- The use of bleach, lime remover, etc. abrasive general cleaning materials may cause damage to colored grouts.
- It should not be applied on frost-hazardous or corroded surfaces, under direct sun and in strong windy environments.
- Be very careful to add water to the product at the specified rate. Adding more or less water than specified may cause problems such as color fluctuation, cracking, dusting.
- If joint application is to be made in very hot, dry or windy weather, it is recommended to moisten the surface after 1-2 hours. This process will increase the final strength of the product.
- Products with petrification detected after opening should not be used.
- In applications to be made in large areas, necessary expansion joints should be left considering the thermal stress and mechanical loads that may occur on the ground. It should be filled with **CERMITHANE** sealant or **CERMITAPE FPO** expansion profiles.

## SAFETY INSTRUCTIONS

- It should not be inhaled, and eye contact should be avoided.
- It is recommended to use appropriate work equipment (gloves, goggles, mask, knee pads, etc.) during application of the product.
- For more detailed information please read the Material Safety Data Sheet (MSDS)



**Note:** Technical values and application instructions are valid under ambient temperature of 23°C with relative humidity 50% and they are the results of our tests and experience in accordance with international standards. Our company is not responsible for any errors that may occur if the instructions and recommendations specified in the technical data sheets are not followed.

**CERMIX**

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