

# Teknoderz Ex

Flexible Joint Filler, Fuga (1-6 mm)



CE TS EN 13888 – CG2WA

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**Product Description** Cement based, flex grouting for ceramic tiles, marble and granite. Because it contains silicone, it's water repellent.

**Areas of Usage**

- Indoor and outdoor,
- In large size ceramic, tile and granite ceramic joints,
- In natural joints of natural granite, pressed brick, marble, glass mosaic and natural stone blocks,
- Hospitals, housing and shopping centers,
- In spaces with intensive pedestrian traffic and open to fast use.

**Features and Benefits**

- No color fading, dust or crack.
- Because it is flex, it is not affected by sudden temperature changes.
- Because it is of silicone, it is resistant to water and frost.
- Ideal for spaces to be opened for fast use.
- It can be used in floor heating systems.

**Application Instructions**

Surface Quality: Ensure that the adhesive used in the floor covering is hardened, manual inspection is required. Application should be made at least 24 hours after application of the adhesive.

Surface Preparation: The surfaces must be clean, smooth, solid, free from any antiadhesive substance such as dust, oil, dirt, rust, mold oil, detergent and waste. The surfaces should be level, weak parts should be removed.

**Application Notes / Restrictions**

- 6,4 - 6,8 lt clean, clear water received from normal ambient temperature into a clean container which is free from all kinds of materials which prevent adhesion.
- The depth between the joints should be at least 2/3 of the ceramic thickness.
- TEKNODERZ EX, which is in a 20 kg bag in powder form, is poured into a container full of water.
- The product is mixed with a low speed mixer until a homogeneous mixture without lumps is obtained.
- The mortar obtained at the end of the process should be rested for 5-10 minutes and mixed again until it becomes homogeneous for 1-2 minutes.

### Technical Data

| General Information                             |  |
|---|--|
| Appearance/Color                                | White or Colored Powder                          |
| Shelf Life                                      | 12 months in unopened package in dry environment |
| Package   | 20 kg kraft bag                                  |
| Application Information                         |  |
| Application Temperature                         | (+5°C) - (+35°C)                                 |
| Mixture Ratio                                   | 6, 4 - 6, 8 lt water / 20 kg powder              |
| Pot Life  | 1 hour   |
| Time to Put Into Service                        | 1 day  |
| Consumption                                     | See. Joint Filling Consumption Table             |
| Performance Information                         |  |
| Flexural Strength (EN 12808-3)                  | ≥ 2.5 N/mm <sup>2</sup>                          |
| Bending After Freeze - Thaw Cycles (EN 12808-3) | ≥ 2,5 N/mm <sup>2</sup>                          |
| Compressive Strength (EN 12808-3)               | ≥ 15 N/mm <sup>2</sup>                           |
| After Freeze - Thaw Cycles (EN 12808-3)         | ≥ 15 N/mm <sup>2</sup>                           |
| Wear Resistance (EN 12808-2)                    | ≤ 1000 mm <sup>3</sup>                           |
| Shrinkage (EN 12808-4)                          | ≤ 3 mm/m   |
| Water Absorption 30 min.                        | ≤ 2 g  |
| Water Absorption 4 hours (EN 12808-5)           | ≤ 5 g  |
| Temperature Resistance                          | (- 20°C) - (+ 70°C)                              |

Technical data are approximate values obtained from the laboratory study of Tekno Construction Chemicals for finished products obtained at +20°C air temperature and 50% relative air humidity and valid for its performance after 28 days.