

Hammerfast Seramixx Flex

Technical data sheet

Issued on : 10.05.2023

Revision no : 02

Description

Cement based tile adhesive with reduced slip, flexible and extended open time.

Advantages

- High adhesion,
- Suitable for floor heating systems,
- Flexible,
- Easy to apply,
- Resistant to heavy pedestrian traffic,
- Water and frost resistant (after curing),
- Suitable for ceramic tiles from top to bottom,
- Strong adhesion on large-sized granites, ceramics and glazed porcelains.

Application areas

Used in internal and external applications of buildings, horizontal and vertical surfaces, dwellings, shopping malls, commercial buildings, schools, hospitals, terraces, water tanks, cold storages, wet spaces and floor heating systems with heavy traffic.

Application substrates

Robust, low water absorption rate, dust-free, oil and dirt free, cement based plasters, gypsum based plasters (must be primed), cement based screed, concrete floor etc. surfaces can be applied.

Not applicable on metal surfaces (Hammerfuga EP should be used), Not applicable on wood floors, not applied on exposed concrete without primer.

Application properties

Mixing ratio	6,0-6,5 L water
Temperature Resistance	-30°C / +80°C
Pot life(20°C'de)	2 hours*
Open time	20 min.*
Time required for grouting	24 hours*
Time required for foot traffic	24 hours *
Application temperature	5°C / +30°C*

*23±2 °C temperature and % 50±5 relative humidity values.

Substrate preparation

Application surface; dust, paint, dirt, detergent etc. It should be clean, dry, smooth and sound. Surfaces that need to be repaired should be repaired with Hammerfast RM-150 repair mortar series at least one day in advance. Porous surfaces should be moistened.

Application

Average 6,0-6,5 lt water and 25 kg Hammerfast Seramixx Flex should be mixed with low-speed mixer preferably or trowel until no more lump will remain. Hammerfast Seramixx F should be mixed for further 1-2 minutes after aging for 5 minutes before the application.

The mortar should be applied on the substrate and its thickness should be adjusted with steel notched trowel. Tooth size of trowel should be adjusted according to dimensions of tile and smoothness of application substrate. Adhesion on the combed mortar should be completed within 30 minutes at the latest. For good adhesion force should be applied by means of rubber hammer and air should be ejected.

Consumption

Tile dimensions	Comb	Consumption
10x10 - 20x20 cm	8x8x8 mm	One-sided adhesion 5 kg/m ²
10x10 - 20x20 cm	8x8x8 mm	Double -sided adhesion 6 kg/m ²
20x20 - 60x60 cm	10x10x10 mm	Double -sided adhesion 7-8 kg/m ²

Technical specifications

Color and appearance	Grey&white powder
Class	C2TE S1
Extended open time: tensile adhesion strength	≥ 1 N/mm ² (EN 1346)
Initial tensile adhesion strength	≥ 1 N/mm ² (EN 1348)
Tensile adhesion strength after water immersion	≥ 1 N/mm ² (EN 1348)
Tensile adhesion strength after freeze-thaw cycles	≥ 1 N/mm ² (EN 1348)
Tensile adhesion strength after heat aging	≥ 1 N/mm ² (EN 1348)
Slip	≤ 0,5 mm (1308)
Transverse deformation	S1 (≥2,5 mm, <5mm)
Fire class	Class A1 (EN 13501-1+A1)

Points of attention

- If the water absorption value of the ceramic tiles to be bonded is high, no application should be made with this type of ceramics.
- Ambient temperature is between +5 °C and +30 °C.
- Never add foreign materials.
- The product should be used within the pot life after mixing.
- During application, the floor must be protected from wind, rain, direct sunlight and frost. The applied surface should be protected from rain for 24 hours.
- Hammerfast xxx bonding mortar should be preferred for bonding light colored ceramics and similar coatings and glass bricks.
- It is not applicable to unstable and loose surfaces, roughening should be done on very smooth and bright surfaces.
- In underfloor heating systems, heating must be switched off before application.
- All tools should be cleaned with water before drying after the application.

Storage and shelf life

12 months from date of manufacture when stored unopened and undamaged in a dry, moisture-free environment, away from direct sunlight and temperature between +10 °C and +35 °C. Packages should be kept tightly closed when not in use.

Safety Precautions

- Use appropriate safety equipment (mask, gloves, glasses).
- Protect your eyes/face.
- Avoid direct contact with eyes and skin.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.
- Please read Material Safety Data Sheet (MSDS) for further safety information.

Packing

Net 25 kg kraft bag.

(1 Pallet = 60 bags = 1500 kg / Pallet size 80x120 cm, h=100 cm)

Cleaning of tools

After the application, wash all equipment used before drying with warm water.

Quality certificates

- TS EN 12004:2007+A1 (10.04.2013)
- ISO 9001:2015
- CE
- Bayındırlık Poz No: 04.380/008



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