

TECHNICAL DATA SHEET

SUPER FLEX T520



Flexible cement-based tile adhesive

According to the requirements of
EN 12004:2007+A1:2012 - class C2 TE

*Improved cement-based adhesive
with reduced sliding and extended open
time for interior and exterior application*

PURPOSE

The flexible adhesive **SUPER FLEX T520** has a composition with improved strength properties, achieved by inserted monofibers and special additives.

It is designed for secure tile bonding on critical substrates. The adhesive endures forced internal loads in newly constructed buildings and provides a flexible base when working on surfaces exposed to weather effects. **SUPER FLEX T520** has excellent hydrophobic characteristics. All high qualities of the product determine its application for:

- bonding of ceramic and stone tiles, with dimensions up to 50 cm x 50 cm, both on horizontal and vertical surfaces
- bonding of tiles on many different types of construction bases (concrete, plasterboard, plasters, screeds, etc.)
- bonding of tiles on critical and deformable construction bases
- bonding of tiles – faience over faience, terracotta over faience, marble over terracotta
- bonding of ceramic and stone tiles on waterproofing (swimming pools, water reservoirs, etc.)

PROPERTIES

- ❖ easy to apply
- ❖ enough open time (for work)
- ❖ flexible
- ❖ cold resistant
- ❖ resistant to high temperatures
- ❖ moisture resistant

PREPARATION OF THE BASE

Before application of **SUPER FLEX T520**, the base should be dry, well cleaned and strong.



Application over oil (grease) stains, dust and other (contaminants) is not allowed. Bases with high absorption should be wetted or primed in advance.

With **SUPER FLEX T520** you can bond directly on concrete, cement screeds, mosaics and plasters, gas concrete, gypsum plasterboard, gypsum fazer, etc.

When bonding tiles over old tiles, the base must be treated with **TERAZID G-22** in advance.

APPLICATION AND PROCESSING

For the complete dissolution of 25 kg of **SUPER FLEX T520** around 6,5 litres of water are required. Into a preliminary prepared container with water, the necessary amount of dry mixture is poured and stir with a mechanical mixer until a homogeneous mass is achieved. Thus, the stirred mixture is left to stay for 5-7 minutes so that it gets "mature", after that it is stirred once again and it is ready for work.

For economic and quality work, it is desirable to work with a notched mortarboard with an appropriate edges size, depending on the size of the tiles and the type of the base. For achieving the optimal adhesion with the base, it is required that the adhesive is applied on minimum 60% of the tile back.

When working outside, it is better to apply adhesive solution on both, the tiles and the base. It is not recommended dipping of ceramic tiles in water.

Time for correction is about 60 minutes.

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CONSUMPTION

- for walls – 3,0 kg/m² (with size of the mortarboard edges 5 mm)
- for floors – 4,0 kg/m² (with size of the mortarboard edges 7 mm)
- for floors – 5,0 kg/m² (with size of the mortarboard edges 10 mm)

WORKING TOOLS

- bucket
- electrical stirrer
- trowel
- mortar-board

WEATHER CONDITIONS FOR APPLICATION

The minimum twenty-four-hour temperature of the air and the basis should not be less than +5°C, and the maximum – not higher than +30°C.

It is not recommended applying of **SUPER FLEX T520** at high level of air humidity, or when the forecast is for coming rain, or during a rain.

FORM OF DELIVERY

Dry mixture in paper packages of 5 kg and 25 kg.

NOTES

Characteristics and technical data of the product, pointed out into this Technical Data Sheet are defined at a standard temperature (20°C) and relative humidity (50%). In other weather conditions, the technological time for some of the processes, mentioned above, could be shorter or longer.

The information of the product is based on the practical experience of the manufacturer and the technical tests in specialized laboratories.

Do not mix with other building materials.

All hazards and precautionary statements about **SUPER FLEX T520** can be checked in the Safety Data Sheet of the product.

STORAGE

12 months into the originally sealed packages, in a dry and ventilated store. It is recommended to be stored on pallets.

CHARACTERISTICS AND TECHNICAL DATA

Colour	grey or white
Form (aggregate state)	dry powder
Base	cement
Open time for work	around 30 minutes
Ready for jointing	floor- after 24 h, walls- after 8 h
Ready for walking	after 24 hours
Reaction to fire	A1
Bulk density	1.5 kg/l
Application thickness	up to 5 mm
Initial tensile bond strength after 28 days	2.1 N/mm ²
Tensile bond strength after water immersion	1,4 N/mm ²
Tensile bond strength after heat treatment	2,4 N/mm ²
Tensile bond strength after 25 freeze-thaw cycles	1,4 N/mm ²

The manufacturer is responsible for the product quality, but not for the manner and the conditions of its usage. The information into the present Technical Data Sheet is reliable, but only if the product is used under the stated specified conditions. The responsibility of any other usage of the product, including its usage in a combination with any other product or process, is borne by the user.