

## F9100

### Properties:

F9100 is a mineral one-component injection glue based on trass-chalk according to DIN 1060 and additives.

F9100 can be injected into dry or moist cracks > 0.2 mm into brickwork and natural stones as well as for cavity filling.

F9100 is especially useful for sulfate burdened areas or gypsum containing brickwork. No formation of ettringite is observed.

### Technical data:

#### Substance data:

|                        |                               |                       |
|------------------------|-------------------------------|-----------------------|
| Consistency            | solid                         |                       |
| Colour                 | grey                          |                       |
| Odour                  | odourless                     |                       |
| Density                | approx. 1.7 g/cm <sup>3</sup> |                       |
| pH value               | 11 - 13.5                     | DIN EN ISO 10523      |
| Max. grain size        | 0,1 mm                        |                       |
| Mixing ratio           | 2.5 : 1 (F9100 : water)       | parts by weight       |
| Processing temperature | 5 - 30°C                      | substrate temperature |

#### Reaction data (at 20°C):

Pot-life approx. 30 - 45 min

#### Hardened mortar properties:

|                          |                       |                |
|--------------------------|-----------------------|----------------|
| Compressive strength     | 5.5 N/mm <sup>2</sup> | DIN EN 12390-3 |
| Bending tensile strength | 0.9 N/mm <sup>2</sup> | DIN EN 12390-5 |

### Processing:

F9100 (20 kg bag) is being mixed with 7-8 liters of clear water for at least 4 minutes by means of a plate or colloidal mixer at 2000-6000 r/min until a homogeneous mixture is reached. This mixture needs to be mixed all time during processing.

Afterwards the material gets injected at low pressure with a single component pump, e.g. a suitable spiral pump.

During processing and at least 72 hours afterwards the temperature should not fall below +5°C.

After curing F9100 becomes a rigid injection material and can be therefore not being used for cracks or expansion joints

### Safety information:

F9100 contains cement and is classified as hazardous according to Regulation (EC) 1272/2008 (CLP).

It is therefore necessary, before beginning processing, to become familiar with the precautions and safety advice as indicated in the material safety data sheet.

**Packaging:**

20 kg paper bag

50 x 20 kg on pallet

**Storage:**

Shelf life at least 6 month in original packaging when stored in dry conditions between 15-25°C, protected from heat, frost and direct sunlight.

After the expiration the use of the product is generally not recommended, unless an approval has been provided by TPH. This approval can only be obtained by the quality assurance department of TPH releasing the material after verification of main properties being within specification.

**Disposal:**

Small quantities of cured product residues can be disposed of as normal domestic waste. Dispose of not cured product components must be effected in accordance with the corresponding local regulations. For further information please refer to the material safety data sheets.

**Legal notice:**

The correct and thus successful application of our products is not subject to our control. A guarantee can be issued for the quality of our products within the framework of our sales and supply conditions, however not for successful processing. All data and specifications in this specification sheet are based on the present state of the art and the right to changes and adaptations for the sake of development remains explicitly reserved. The consumption specifications designated by us can be only average empirical values, where deviations are possible on an individual basis and therefore cannot be excluded by us.

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