

### Fibre reinforced fluid mortar with controlled shrinkage for repairing concrete



#### **Composition**

B 530 C is a material composed of sulphate resistant cements, classified sands, synthetic fibre and chemical additives to improve workability and adhesion to concrete.

#### **Technical characteristics**

<b>Apparent specific weight</b>	1,500 kg/m <sup>3</sup> approx.
<b>Grading</b>	less than 3.0 mm
<b>Yield</b>	18 kg/m <sup>2</sup> per 10 mm thickness
<b>Water content of mix</b>	17% approx.
<b>Resistance to flexing after 28 days</b>	9 N/mm <sup>2</sup> approx.
<b>Resistance to compression after 28 days</b>	50 N/mm <sup>2</sup> approx.
<b>Elasticity module after 28 days</b>	30,000 N/mm <sup>2</sup> approx.
<b>Expansion (UNI 8147)</b>	0,4 mm/m approx.

#### **Use**

B 530 C is used for repairing concrete floors, for repairing reinforced concrete beams and pillars, for work in reconstructing layers of iron-covering in reinforced concrete, in all cases where the thickness or type of structure require repair with fluid mortar.

#### **Preparation of the base**

The surface must be free of dust, dirt, saline deposits etc. Any traces of oil, grease, wax etc. should be removed before application. Roughen the surface. Wet the underlay until it is completely soaked before application.

#### **Working**

B 530 C can be applied by hand or by using plastering machines such as FASSA, PFT, PUTZKNECHT, PUTZMEISTER, TURBOSOL, or similar machines.

For application by hand, add about 17% clean water to the product and mix with a mechanical agitator at low speed until the paste is smooth and homogenous.

B 530C is applied in layers up to a thickness of 3-5 cm, so that there is at least 1,5 cm thick layer above the rods.

#### **Warning**

- Fresh plaster should be protected from the cold and excessively rapid drying.
- A temperature of +5° C is suggested as a minimum value for application to obtain proper hardening of the mortar. Below this value setting would be delayed considerably, and below 0°C the fresh or partially hardened mortar would be broken up by frost.
- Dampen the mortar in the first 24 hours.
- The use of anti-vaporising products is not advised when wall coverings or paints are to be applied.

**B 530 C should only be used in its original condition without the addition of other materials.**

#### **Supply**

- Special sacks with protection against damp of 30 kg approx.

#### **Conservation**

If stored in a dry place on wooden pallets the material will last for a maximum of 6 months.

#### **Quality**

B 530 C undergoes accurate and continuous checking in our laboratories. The raw materials used are carefully selected and checked.

The above information refers to laboratory testing; it is possible that in practical applications on site it may differ according to the conditions in which the material is applied.

In any case the user should verify that the product is suitable for the intended application, taking all responsibility for its use. Fassa reserves the right to make technical modifications without notice.

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