



NUOVA CAF S.r.l.

Via L. Einaudi, 6/7_Z.I. – 61032 Fano (PU)_ Italy

Tel. +39 0721 854235 – fax +39 0721 854596

www.nuovacaf.it - info@nuovacaf.it

TEKNOCAF BF – products for buildings restoration

Hydraulic mortar with thixotropic and non-shrinking effect added with synthetic fibers. The product does not contain metal particles and is chloride-free. **Teknocaf BF** has a strong adhesion to concrete and high resistance to sulphates. Its special composition allows to obtain a thixotropic mortar with high mechanical resistance for both short and long seasoning and excellent durability properties even in aggressive conditions such as marine areas, acid rain, deicing salts, etc ... It is in conformity to UNI 8147. **Teknocaf BF** is used for the structural consolidation of deteriorated reinforced concrete structures such as pillars, beams, ledges, bridges, road and railway viaducts, tunnels, etc ... it can also be used to restore deteriorated concrete pavements.

SPECIFICATIONS

Initial curing time at 20°C: 2-2,5 hours.

Final curing time at 20°C: 4-4,5 hours.

Particle size: 2 mm.

Mechanical resistance to 24 hours: compression 230 Kg/cm³, flexion 68 Kg/cm³.

Mechanical resistance to 7 days: compression 490 Kg/cm³, flexion 79 Kg/cm³.

Mechanical resistance to 28 days: compression 640 Kg/cm³, flexion 110 Kg/cm³.

Ph:12-13

Elastic modulus to 28 days: 203.000 Kg/cm³.

Adhesion to the hardened concrete after 28 days: 45 Kg/cm³.

Counteracted expansion (UNI 8147): 0,056% to 28 days.

Pull-out resistance: the tests were performed with steel bars (with improved adhesion) having 16 mm diameter, embedded in a Teknocaf BF cylinder. After 28 days of curing at 20 ° C is the result of 13.600 Kg.

Application: trowel.

Dilution: 3,5 L. with water per pack.

Yield: 18 Kg/sq.m. for each centimeter of thickness.

METHOD OF USE

Do not mix the product with water once it has already grip. Do not add cement, additives or other Teknocaf mortars. Before using, check the integrity of the package and do not use the product in the presence of lumps. Use all the material once the package is opened. Take all the necessary precautions to ensure correct curing. Moisten with water the first 48 hours, or cover with plastic sheets or damp jute bags. do not use anti-evaporation products if there are additional coatings.

Prepare the product by adding the indicated amount of water. support must be perfectly clean, compact, free of dust, grease, paint, etc .. Carefully remove the damaged and flaky concrete using a hammer until you find a compact substrate. The exposed metal armatures must be freed from the concrete through the use of needle gun; hydrosand the entire surface and protect the metal armor with **Teknofer** applied by brush. Mix at least 5 minutes with a cement mixer or, in the case of small quantities, with drill and whisk, taking care to introduce the first 3/4 of the necessary water and then pour the product continuously with the remaining water until the desired consistency .

Apply with a trowel or spray with appropriate plastering machines. If there is a continuous coating with more than 2 cm thick, you will need to bushhammer the concrete surface and anchor to support a suitable welded mesh.

The technical information contained in this technical sheet are based on our practical experience and laboratory testing and are purely indicative. We offer products and operating systems in perfect correspondence with the highest quality standards, provided that the instructions for use are followed in accordance with the needs and the professional knowledge of utilization. The application of the products takes place outside of our control and therefore is under the sole responsibility of the customer. Our technical department is always at your complete disposal to provide any further information or clarification.



CLIMATIC CONDITIONS

NUOVA CAF S.r.l.

Via L. Einaudi, 6/7_Z.I. – 61032 Fano (PU)_ Italy

Tel. +39 0721 854235 – fax +39 0721 854596

www.nuovacaf.it - info@nuovacaf.it

To avoid compromising the optimal performance of the product, we recommend the application in specific climatic conditions:

- Apply at temperatures between +5 °C and +35 °C;
- Avoid the application on surfaces heated by strong sunlight,
- Avoid application when rain is imminent,
- Avoid application in presence of moisture;
- The painted surface must be kept away from rain and humidity for 48 hours.

USEFUL TIPS:

- Store at room temperature.
- Close the container tightly after each use.
- Protect surfaces not to be painted (windows, tiles, glass etc ...).

Protect from frost.

Packaging: 25 Kg.

Color: grey.

Washing tools: use water immediately after use.

Specification Item

- > Protect all surfaces not subject to application of paint.
- > Preparation of the surface by manual brushing or washing with high pressure washer machine, depending on the nature and intensity of the dirt. If the surfaces to be treated were covered with organic paints is advisable total removal of these paintings.
- > Application of hydraulic mortar with thixotropic and non-shrinking effect added with synthetic fibers **Teknocaf BF** (CAF) until a thickness of 6 cm and respecting a consumption of 18 Kg/sq.m. for each centimeter of thickness.
- > All applications must be performed on completely dry surfaces, with the ambient temperature and that of the surfaces to be painted between +5 °C and +35 °C with relative humidity not exceeding 80%. If you ever experience environmental conditions other than those mentioned above, as well as in the presence of wind, dust, smoke, etc ..., the application should not be initiated.

The technical information contained in this technical sheet are based on our practical experience and laboratory testing and are purely indicative. We offer products and operating systems in perfect correspondence with the highest quality standards, provided that the instructions for use are followed in accordance with the needs and the professional knowledge of utilization. The application of the products takes place outside of our control and therefore is under the sole responsibility of the customer. Our technical department is always at your complete disposal to provide any further information or clarification.