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Cod. Fis./Part. IVA 07007360964
N° Iscr. C.C.I.A.A. 07007360964

CV91-TECNOCEMENT

SPECIALE SPECIAL WHITE CEMENT

Areas of application

CV91-TECNOCEMENT is a special high-performance concrete, particularly suitable for the creation of thin non-structural elements, casts and decorative elements such as worktops, bathroom and interior furniture, tubs, tiles and ornaments for outdoors. Its formula allows to obtain perfectly smooth and uniform surfaces and an excellent reproduction of the texture of the casts used.

Chemical composition

CV91-TECNOCEMENT is a ready-to-use mix, containing alkali-resistant anti-crack glass fibers.

Physical characteristics

CV91-TECNOCEMENT is a special cement which, when mixed with water in suitable stoichiometric ratios, gives rise to a white mixture.

Density of fresh mortar	2.34
Particle size	0 - 500 um
Dynamic elastic modulus after 28 days	50 Gpa

Mechanical properties (average values obtained on prisms 4x4x16 cm prisms)		
	Compressive strength at 20°	Flexural strength at 20°
After 1 Day	75 Mpa	9-10 Mpa
After 7 Day	110 Mpa	13-18 Mpa
After 28 Day	130 Mpa	15-20 Mpa

CV91-TECNOCEMENT can be subjected to heat treatment after setting, which consists in subjecting the manufactured elements to a temperature that gradually rises between 60 and 90° over a period of time from 48 to 72 hours. This treatment allows to accelerate the maturation process of the material, contributing to the increase of the strength and durability of the material and giving CV91-TECNOCEMENT a high dimensional stability.

CV91-TECNOCEMENT can be colored with pigments of mineral origin.

Packaging

Bags of 25 Kg



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Use and implementation

Mixing ratio:

- 25 kg of cement : 2.75 liters of water = 12 liters of CV91-TECNOCEMENT mixed volume.
- 1 kg of cement : 0.11 liters of water = 0,48 liters of CV91-TECNOCEMENT mixed volume.

The preparation of the mixture with a mortar or cement mixer is carried out as follows:

- a) Pour the material into the mixer
- b) Mix for 30 seconds
- c) Add 2.75 liters of water for every 25 kg of Tecnocement
- d) Mix for 2 minutes (starting from the fluidization of the dough)
- e) Stop and scrape the walls of the mixer
- f) Mix another 2 minutes

Pour, without waiting, the mixture into the formwork to be filled. Always proceed in the same direction to avoid the formation of air bubbles.

Use a planetary shaker.

Processing times and methods

Work between 5 and 30 °. The processing times of the material vary according to the temperature:

5 °C: 90 min.
20 °C: 45 min.
30 °C: 5 min.

In case of high temperatures, put the bags at a temperature below the ambient temperature and use cold water to lengthen processing times.

Protect from frost and sun during setting and hardening.

Removal from the mold can be done after 18-24 hours.

After removal, the pieces must be kept moist or immersed in water at 20 ° C for a few days. Avoid laying in dry, hot and windy places in the first few days.

The above recommendations are provided to the best of our knowledge, after careful consideration. We guarantee the quality of our products according to our specifications. Any further liability cannot be accepted as the correct application of our products is beyond our control.