

## **MECHANICAL HIGH PERFORMANCE SKIM COAT CEMENT MORTAR FOR GENERAL PURPOSES AND PLASTERING (GP)( CS IV W1) UNI EN 998-1**

### **DESCRIPTION:**

**TEKNO TIX FINE** is a thixotropic, fiber-reinforced gray or white thin skim coat, for restoration and protection of concrete surface. Portland cement based, it also contains selected aggregates and special additives.

### **USE:**

**TEKNO TIX FINE** is a leveling product for the restoration and re-profiling, also armed one, of wall surfaces even with low thickness, reinforced or not concrete and traditional plaster; it can be used both indoors and outdoors.

### **SUBSTRATE PREPARATION:**

Surfaces must be appropriately prepared to be finished. Dust, paint, dirt or release agents must be removed and if necessary appropriately pre-treated. Pre-treat particularly absorbent -or with different levels of absorption - walls with specific primers ANTEPRIMER XP. For a better adhesion to the underlying application it is recommended to use it when the plaster is still wet, otherwise pre-moisten the surface that needs to be finished. During summer season, and / or in case of strong wind, moisten the underlying surface in advance.

### **MORTAR PREPARATION:**

TEKNO TIX FINE is mixed by a mixer or a low speed drill fitted with whip attachment, using about 6 liters of clean water every 25 kg of the product (=1 bag), until the mixture is creamy and smooth. The mortar obtained is usable for about 2 hours.

### **APPLICATION:**

Apply TEKNO TIX FINE with a trowel or spatula in layers of a not less than 2 mm thickness and not greater than 3mm for every single coat application. In order to avoid cracking during drying stage, thicknesses greater than 3mm should be applied through several hands at a distance of about 6 hours from each other. During the summer season and / or in case of wind, the surface must be kept and made wet by spraying water for at least 48 hours.

### **CONSUMPTION:**

1.5 kg / m<sup>2</sup> for each mm of thickness applied

### **CLEANING:**

Wash hands and equipment thoroughly with clean water before the mortar begins to grip; otherwise the cleaning will be difficult.

### **HEALTH AND SAFETY:**

The product is not toxic, but the Portland cement content can cause irritation to skin and eyes. Do not breathe dust and protect themselves adequately with gloves, respirators, protective clothing and goggles. For more information, see the Safety Data Sheet.

### TECHNICAL DATA

Consistency	powder
Granulometry	0÷0,6 mm. 0÷0,8 mm. 0÷1,2 mm.
Bulk density	1,70 gr/cm <sup>3</sup>
Maximum application thickness	3 mm for application
Mixing water	about 24%
Mixing water for every 25 kg bag	5,8 ÷ 6,2 liters
Pot life	about 2 hours*
Application temperature range	da +5°C a +35 °C
Chloride content	absent
<b>HARDENED PRODUCT:</b>	
Density of mix	1550 kg/m <sup>3</sup>
Compressive strength:	≥ 8 N/mm <sup>2</sup> (CS IV)
Flexural strength:	≥ 2,5 N/mm <sup>2</sup>
Adhesion:	≥ 1 N/mm <sup>2</sup>
Water absorption:	W 1
Coefficient of thermal conductivity:	0,47/0,54 W/Mk
Coefficient of permeability to water vapor:	15/35 μ
Resistance to moisture:	excellent
Resistance to aging:	excellent
Resistance to freezing / thawing	excellent
Cure time:	21 days*
*Figures expressed at (20 ± 2) ° C and (65 ± 5)% relative humidity. Lower temperatures increase the times of maturation and hardening	

### HAZARD CLASSIFICATION:

Refer to the safety data sheet.

### CUSTOMS CLASS:

3824 50 90

### INFORMATION PURSUANT TO THE D.M. 10/05/2004:

- Product conforming to DM 10/05/2004. Content of Cr VI less than 2 p.p.m.
- PACKAGING DATA: Reported on the side of the bag
- MATURITY DATE: see section STORAGE

### PACKAGING:

TEKNO TIX FINE is supplied in 25 kg bags on plastic sealed wooden pallets.

### STORAGE:

- Keep the product in its original packaging. Do not disperse dust.
- For the purposes of DM 10-05-2004 the product properly stored should be used within 6 months from the date of manufacture stamped on the bag.

### QUALITY:

The automatic dosing and predetermined components, the continuous and systematic checks on raw materials and finished products, ensuring a high standard of quality and consistency over time.

### WARNINGS:

TEKNO TIX END is mixed with clean water without adding other products. Do not apply on friable, irregular, or painted plaster, etc.. Do not apply under direct sunlight. Do not apply to frozen substrates or in environments presenting temperatures below +5 ° C and above 30 ° C. Protect the mortar applied for at least 24 to 48 hours from rain or water and for at least 7 days from frost and rapid drying due to wind or sunlight. Paints, coatings or finishes to be applied after successful hardening and drying completed.

### PRODUCT ADDRESSED TO A PROFESSIONAL USE

The above statements come from our current best experience. But since the site conditions can greatly vary, we recommend the user to carefully verify with practical tests that the product is suitable for the tasks in any case; user will take accountability of any miscorrect use.

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