

## **TECHFIN PLASTER FINISH**

### **SINGLE COMPONENT POLYMER MODIFIED FAIRING COAT COSMETIC MORTAR FOR CONCRETE SURFACES**

#### **DESCRIPTION**

TECHFIN PLASTER FINISH is a single component acrylic polymer modified repair mortar for use as a fairing compound or cosmetic coat mortar. When mixed with water, as directed, a fine grey trowelable mortar results which can readily be applied to fill in pores, blowholes and blemishes on a concrete surface. TECHFIN PLASTER FINISH may also be used as a skim coat prior to application of protective coatings. It is specially formulated to produce a shrinkage compensating mortar with no cracking when applied in a thin section. Adhesion to concrete and flexibility are excellent.

#### **APPLICATIONS**

- As a fairing or skim coat to cover and make good blemishes in concrete surfaces such as slight honeycombing, blowholes, defects caused by "sand runs", patch repairs, shutter movement and grout loss.
- Preparatory treatment to concrete to receive a thin film protective coating.
- To produce a uniform surface over repaired areas.

#### **ADVANTAGES**

- Precision made for consistent results
- Requires only water addition for easy application
- Shrinkage compensating
- Excellent adhesion to concrete
- Flexible
- Smooth, easily produced finish
- Low permeability
- Excellent resistance to freeze/ thaw action and carbonation

- Resistant to ingress of water borne salts, such as chloride and atmospheric chemical attack.
- Subsequent paint coats can be applied with great economy

#### **TYPICAL PROPERTIES**

Appearance: fine grey powder  
Cure time: 60min at 20°C  
Compressive strength: 25MPa  
Application temperature: 5-35°C  
Mix density (S.G): 1.7  
Pot life: 20 minutes  
Yield: 7L water + 25Kg bags = 16L product  
Coverage: 16m<sup>2</sup> at 1mm thick  
Storage: On pallets in a cool dry place away from direct sunlight.

#### **PACKAGING**

TECHFIN PLASTER FINISH is supplied in 25Kg bags

#### **DIRECTIONS**

The substrate must be sound, firm, clean and free from oil, grease and loose particles, cement laitance, old layers of paint or other contaminants. Chemical and steam degreasing may be required in severe cases. The substrate should be roughened to provide a sufficient key for bonding by scarification or shot-blasting. Pull off tests may be employed to access the bond strength.

#### **BONDING/ PRIMING**

Priming is not required, but absorbent surfaces such as plaster or concrete must be thoroughly pre-wetted with clean water. Ensure that there is no free water on the surface prior to application.

**MIXING**

Mixing should be performed with use of a suitable mechanical mixer for large volumes of product. Smaller batches may be mixed with a slow speed drill fitted with a suitable paddle. Pour the measured amount of clean water into the mixer and gradually add the TECHFIN PLASTER FINISH to the water while mixing. Mix for 3-5 minutes until a smooth homogenous mixture is obtained. Temperature may also affect consistency, the amount of water may be adjusted accordingly but should not exceed the recommended amount prescribed.

**APPLICATION**

The mixed TECHFIN PLASTER FINISH should be applied by trowel method in as few applications as possible. The product can be applied at a maximum of 3mm down to a feather edge. The coating must be allowed to set sufficiently before final profiling. Slight wetting can aid a smoother finish. The product does not require any curing agents.

**SPECIFICATION CLAUSE**

**TECHFIN PLASTER FINISH**

Polymer-modified, fibre-reinforced cementitious fairing mortar / compound for filling blowholes and as a thin skin fairing coat on non-trafficable surfaces.

The fairing mortar compound will be TECHFIN PLASTER FINISH, a single component, polymer modified, fibre-reinforced, chloride free compound applied in accordance with recommendations of TECHNICAL FINISHES, TECHFIN CONSTRUCTION PRODUCTS.

**Gauteng**

35 Activia Rd, Activia Park, Germiston, 1610  
Tel: +27 (0) 11 822 7242



**Kwa-Zulu Natal**

5 Progress Rd, New Germany, 3610  
Tel: +27 (0) 31 705 7733

**Western Cape**

Cnr. Gunners Circle & Fisher Ave, Epping 1, 7475  
Tel: +27 (0) 21 535 4455

