



Product Data Sheet.

Bitu Pure FC

Bitu Pure FC is a premium quality premixed , shrinkage compensated, practically crack free, highly durable, water and weather resistance, Polymer Modified cementations thixotropic plaster, consisting of special high strength hydraulic binders, selected aggregates and special additives for better application.

It is used for

- internally or externally as a replacement to the traditional sand/cement plaster.
- as a thick render on bricks and concrete walls and ceilings.
- To use directly on Fair Face Concrete without Special Treatment to the surface, and without scratch coat (Tartasha).
- Applicable in both new construction and in retrofit works.

Advantages –

- Bitu Pure FC is pre-mixed and avoids the inconsistent quality of site mixing.
- Especially suitable in coastal areas due to its pureness and freeness of salts like sulphides, chlorides etc.
- Excellent bond strength to substrate.
- Easy to use, just mix water and apply.
- Constant results for every usage.
- Fast application, early completion.
- Highly Durable Finish.
- Excellent Compressive Results and bonding.
- Smooth thick Render, suitable for dry and wet areas.
- Water and Weather Resistance.

Properties –

Appearance	Powder
Color	Grey and White
Binder	Portland Cement ASTM C150 Type 1
Fillers	Selected mineral fillers with maximum grain size 2 mm.
Additives	Special Additives to improve consistency, adhesion and workability.
Density	1.45 Kg/L (Dry), 1.7 Kg/L (Fresh mortar).
Packing	25 Kg paper Bag.
Water Addition	16 - 20%, 4.0 – 5.0 L per 25 Kg bag.
Working Time	≤ 2 hours
Compressive Strength (EN 1015-11)	≥ 35 N/mm ² (after 28 days)
Flexural Strength (EN 1015-11)	≥ 10 N/mm ² (after 28 days)
Tensile Adhesion Strength (EN 13892-8)	1.0 N/mm ² (after 28 days)
Water Absorption Coefficient (EN ISO 15148)	≤ 0.4 Kg/m ²
Shrinkage (EN 12808-4)	≤ 1.5 mm/m (after 28 days)
Coat Thickness	3 – 35 mm in layers.
Coverage	1.3 – 1.4 Kg/m ² /mm thicknesses.
Shelf Life	12 months when stored in original packs under shaded area.

Application Data –

Bitu Pure FC adheres to sound, clean and slightly moist substrate, which should be free of any loose particles of paint, dust etc.

Prior to the application of Bitu Pure FC, remove dust, loose particles and other materials, which can cause separation between FC and the substrate.

Moisten the surface with clean water before applying the Bitu Pure FC .

Mix 20 kg. of Bitu Pure FC with 4.0 lit.– 4.5 lit. of water, preferably using an electric drill for 3 minutes. Mix thoroughly until all lumps are removed. Smaller amounts may be mixed manually with a controlled amount of water. Let the composition stand for 10 minutes and re-mix before using.

Application is in 2 layers. The first coat of 5 – 8 mm thickness is applied and pushed hard to surface. The second coat should applied on the same day, when first coat is partially dried. In case, the second coat is going to apply next day, the first coat should be cured with water continuously for 24 hours before the application of second coat.

Binder SA can be used as 0.5 – 1.0 kg/25 kg Bitu Pure FC to improve the results like better bonding, strength etc.

Freshly mixed Plaster is applied by troweling. By using appropriate mechanical equipment, it can also be applied by spray.

Precaution should be taken to avoid draught or drying wind coming into direct contact with Bitu Pure FC during application. Adequate curing measures should be adopted to prevent the quick drying of freshly applied plaster.

Note – Use Bitu Pure FC at temperatures between 5°C – 50°C. All data given was obtained at a temperature of 25°C and 50% relative air humidity. Under other climatic conditions, hardening and drying are accelerated or delayed.

Use the mixed Plaster within 2 hours after mixing.

The Plaster must be cured by water once every 12 hours, thereafter for at least the next two days and longer in hot and dry conditions.

Cleaning and Disposal -

Tools and Equipments contaminated with Bitu Pure FC should be clean with water immediately after use.

Hardened material can only be removed by mechanical means.

Safety Information -

Bitu Pure FC is Non – Toxic and Non – Flammable.

It should not be swallowed.

It contains Cement, which produces alkaline solution when mixed with water, therefore, should not allow coming into contact with skin or eyes.

Suitable protective goggles and gloves should be worn.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

When contacted with skin, wash off immediately with soap and water.

If swallowed, seek medical attention immediately, do not induce vomiting.

Warranty –

Bitu Pure FC Products are guaranteed against defective materials and manufacture.

Although any advice, information or recommendation given is correct, the Company cannot accept any liability either directly or indirectly arising from the use of its products, since the company has no control over the application of its products.

The company reserves the right to modify its products without prior notice.

