

PLASTOMIX C20

Flexible White Cementitious Skim Plaster for Thin Applications

Description:

PLASTOMIX C20 is a single component, flexible cementitious white plaster composed of high resistant white cement, fine fillers, synthetic resins, lime and special additives. When mixed with water, the product becomes easily workable with high adhesion power and excellent elasticity. It is recommended for applications with a thickness up to 2mm per layer. The applied coat has high flexibility, breathable with smooth white finish.

Advantages:

- Smooth, monolithic look.
- Improved adhesion.
- Superior resistance to shrinkage.
- Easy to work, fast and efficient to apply.
- Easy to mix and apply, just add water
- High durability
- Ideal for internal & external application.

Uses:

Due to its high characteristics, PLASTOMIX C20 can be applied as a thin coat up to 2 mm directly on AAC (Autoclaved Aerated Concrete) blocks or panels. PLASTOMIX C20 can also be used as a smoothing and plastering coat for all new cementitious and concrete surfaces, or for restoring and smoothing of old surface before applying colored decorative coating. PLASTOMIX C20 can be used for internal and external application.

Instructions for Use:

Protect the surface from too rapid water evaporation. Differences of temperature or strongly ventilated areas during application may cause increase or decrease of initial and final setting times.

Surface Preparation:

The substrate should be free of loose particles, dust, dirt, grease, oil, curing agents or paint. Absorbent and

porous substrates should be moistened with water prior to the application of PLASTOMIX C20.

Aerated autoclaved concrete block walls must be planar and clean from adhesive residues after blocks laying.

Possible chases (as a result of plumbing and electrical works) must be filled with the same adhesive used for laying.

Priming:

Concrete or blocks substrates should have been allowed to cure sufficiently. All shrinkage movements should take place before applying PLASTOMIX C20 Do not apply PLASTOMIX C20 on surface exposed to movement, vibration or mechanical impacts. Saturate the surface with water and wait for the evaporation of excess water before applying the mix.

Mixing:

To prepare the mortar, take 7-7.5 Ltr. water in a clean container and add slowly, while mixing 25Kg bag PLASTOMIX C20. Mix carefully for 3-4 minutes using an electric agitator till a homogenous mixture, free of lumps is obtained. Allow to stand for 3 minute to mix again before application. No further water should be added to the mix.

In case of application by using spray machine, adjust the water level to get suitable mix viscosity with uniform consistency.

Application:

PLASTOMIX C20 can be applied by traditional manual application or by plastering machines.

If a plaster machine is used, the mortar should be applied in a continuous operation and finished manually to the specified thickness.

Once the plaster starts to set, smooth/even the applied plaster manually by using wood/plastic float and steel trowel. Do not spray water on the applied coat to ease the finishing process. Such wrong

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practice allows the cement content to be removed which will weaken the compressive strength of the plaster surface. Plaster should be sufficiently cured with water. In order to ensure proper curing, it is advisable to keep the plastered surface moist and protected from sun and wind during the first 48 hours. It is advisable to cure the plastered area wet for two days.

Standards:

PLASTOMIX C20 conforms to:

- BS 1881
- EN 13501
- Classification accord. to EN 998-1: GP CS II

TECHNICAL PROPERTIES	
Color	: White
Density	: 1.7 Kg/m ³
Workability Time	: 60 minutes at 25°C
Coat Thickness	: Feather edge to 2mm
Compressive Strength	: 8.0 N/mm ²
Flexural Strength	: 3.0 N/mm ²
Adhesion Strength	: 1.5 N/mm ²
Shrinkage	: Nil
Toxicity	: Nil
Noxiousity according to ECM 88/379	: No
Mixing Ratio	: 7.5 Ltr. of water for 25 Kg Bag
Water absorption	: ≤0.35 Kg/m ²
Fire resistance as per UNI EN 13501-1	: Class A1
Time to wait before painting	: 7 days

Packaging:

PLASTOMIX C20 is available in 20 Kg recyclable bags.

Coverage:

PLASTOMIX C20 covers 14-15 m² per bag at 1mm thickness

Storage Conditions:

Store PLASTOMIX C20 in dry and covered area away from direct sun light. Keep material protected from rainfall and avoid excess compaction.

Shelf Life:

Shelf life is 12 months in original unopened bag when the above conditions are met.

Cleaning:

Clean used tools with water before product dries.

Recommendation:

- Do not apply PLASTOMIX C20 in rainy weather.
- During summer, working area should be protected from direct sunlight and high temperature. Use cold water for mixing.
- Do not apply PLASTOMIX C20 onto gypsum metallic or wooden supports. PLASTOMIX C20 is not coloured so the possibility of non-perfectly homogeneous coloured finishing exists.
- After mixing, no further water should be added to the mix. Hard and set plaster should be replaced with a newly mixed one.
- Before applying any kind of stucco finish, paint, or wall paper the plaster has to be allowed to dry out completely.

Health & Safety:

PLASTOMIX C20 is a cement-based product. Avoid contact with skin or eyes. Provide adequate ventilation in working place to avoid inhalation of dust.

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This technical data sheet is not considered as local building codes. It shall be used as general reference for the product, based on our current knowledge and experience. However the company do not accept any liability arising from the use of its products as it has no direct control on how and where the product is applied.

