

Technical Data Sheet

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.

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.

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.

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.

Concrete or blocks substrates should be 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 3.2-3.5 lts. water in a clean container and add slowly, while mixing 20kg 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 minutes to mix again before application. No further water should be added to the mix.

Application:

PLASTOMIX C20 can be applied by traditional manual application. 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 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.

Standards:

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

TECHNICAL PROPERTIES	
Color	White
Density	1.84 ± 0.03 kg/lit
Workability Time @ 25°C	60 minutes

PLASTOMIX C20

Time to wait before painting	7 days
Coat Thickness	Feather edge to 2mm
Mixing Ratio	approx. 3.2 Ltr. of water for 20 kg Bag
Adhesion Strength	1.5 N/mm ²
Compressive Strength	8.0 N/mm ²
Flexural Strength	3.0 N/mm ²
Shrinkage	Nil
Toxicity	Nil
Noxiousity according to ECM 88/379	No
Water absorption	$\leq 0.35 \text{ Kg/m}^2$
Fire resistance as per UNI EN 13501-1	Class A1

*Values indicated may vary depending on the environment and conditions of the material. Figures given are tested according to standard laboratory conditions.

Coverage:

PLASTOMIX C20 covers 12.6 m² per bag at 1mm thickness.

*Coverage rate is an approximate value, and subject to actual site conditions.

Packaging:

PLASTOMIX C20 is available in 20 Kg recyclable bags.

Storage Conditions:

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

Shelf Life:

PLASTOMIX C20 can be utilized within 12 months of production date if stored in proper conditions in an unopened original packing.

Cleaning:

Clean used tools with water before product dries. Hardened material can only be removed mechanically.

Recommendations:

- 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
- 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 and Safety:

- Avoid contact with eyes and skin. Wear suitable protective clothing such as coveralls, goggles, dust mask and gloves. Use barrier cream. Ensure that there is adequate ventilation. Do not breathe vapour or spray mist.

FIRST AID:

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| Eyes: | In the event of accidental splashes, flush with warm water and seek medical advice. |
| Skin: | Wash skin thoroughly with soap and water |
| Inhalation: | Remove to fresh air, keep patient rested |
| Ingestion: | Do not induce vomiting. Seek immediate medical attention. |

For further safety information, please refer to PLASTOMIX C20 Material Safety Data Sheet.

MATEX Rev.03-0223

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