

Renaissance Stucco



TECHNICAL FILE

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- PRODUCT DEFFINITION:

Renaissance Stucco is a premium quality Portland cement-based, one coat colored coating intended for use as a decorative finish. It is a proprietary formulation of Portland cements, hydrated lime, graded aggregates, mineral oxide pigments and specific additives.

- USES:

Renaissance Stucco is specially designed to produce coatings for either internal or external use. Different textures and application techniques are possible; among these possibilities are the following.

- Skip trowel
- knock down
- Faux stone/Brick
- Sand finish
- ...

Other textures, different than those mentioned above are possible too.

- SUBSTRATES:

Clean and dry substrates with a rough or porous surface are the most desirable. Substrates should be clean, dry and free of releasing agents. Among the suitable substrates are:

- Autoclaved Aerated Concrete
- Ceramic bricks
- Concrete blocks
- Precast concrete
- Cementitious substrates of mortar in good conditions
- Cement boards.
- ICF Block
- Densglas Gold

- LIMITATIONS:

- Renaissance Stucco should not be applied if an ambient temperature of 40 degrees cannot be kept and maintained during application and curing.
- For temperatures below 40 degrees, supplementary heat must be applied.
- Installation in temperatures above 100 degrees should be avoided
- Application in rain and very humid weather condition should be avoided
- Protection of excessive evaporation during hot and dry weather

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- ADVANTAGES:

Because of the careful selection of the different components of the product, Renaissance Stucco has the following advantages over traditional mortars:

- Better adherence
- Highly improved workability
- A variety of textures and patterns may be achieved
- Higher plasticity
- Not permeable to rain
- Permeable to water vapour

- TECHNICAL DATA:

- Colour: Available standard colours included in the company catalogue. Special colours can be produced. Actual intensity of the colours can slightly differ from those presented in the catalogue because both weather and working conditions may influence the final result.
- Apparent density (powder): $84.27 \pm 6.2 \text{ lb/ft}^3$
- Apparent density (paste): $93.64 \pm 6.2 \text{ lb/ft}^3$
- Compressive strength (28 days test): > 1300 PSI.
- Resistance to flexural – tensile stress (28 days test): > 609 PSI.
- Mixing water: 21-23 %
- Minimum thickness of mortar layer: 1/8"
- Range of temperature of application: 40 – 95 °F
- Yield (3/8"): $\pm 2.9 \text{ lb/ft}^2$
- Storage conditions: 6 months in dry places
- Cleaning Conditions: Clean water
- Product presentation: 55 lb. bags

- SUBSTRATE CONDITIONS:

SUBSTRATE CONDITIONING: Check the condition of the substrates. They must be clean and free of any and all releasing agents. In case of high temperatures or very absorbent substrates, you may apply a small amount of water or bonding agent. Never apply on a substrate that is saturated.

-MIXING INSTRUCTIONS:

Add 5 to 5 ½ quarts of water per 55 lb. bag. Mix mechanically at low rpm until the mix is homogeneous and free of lumps. Let sit for approximately five minutes and mix again until the material smoothes to break the false set. Do not add more water after mixing. If the material appears dry or hard remix until it loosens. Adding more water than advised may cause the material to not perform as desired.

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- APPLICATION:

Apply by hand trowel or plaster gun at a minimum of 3/8" to 3/4" thickness depending on the application and requirements. You may need to be moistening the surface depending on the substrate. Texture may be achieved as soon as Renaissance Stucco has sufficiently hardened.

- FINISHING:

Once the required hardening is achieved proceed to perform the desired finishing. The product allows a very large variety of finishes. The proper time to perform the finish varies depending on the applications, substrate and weather conditions.

- CLEANING:

Renaissance Stucco is easily removed with water before it hardens. After hardening a concrete remover would be needed.

- IMPORTANT RECOMMENDATIONS:

- Clean surfaces , free from oils grease, dust, algae, etc. are mandatory
- Do not apply the product at ambient temperatures bellow 40°F or over 100 °F.
- Avoid applying Renaissance Stucco in severe weather conditions including high wind, rain, freezing or adverse weather conditions.
- Renaissance Stucco is a mono–component product which only requires water mixing to prepare. Do not add sands, cement or any other product which may modify the original formula.
- Do not retemper or add water when the product is dry in the mixing bucket.
- Do not exceed the recommended thickness (3/4 ") in a single layer. Should higher thickness be required, apply the product in several consecutive layers.
- Do not apply direct to gypsum, painted surfaces or water repellent surfaces.
- Joints between different types of materials should be reinforced using fibreglass mesh or metal lath.
- **Applicators must be knowledgeable in the installation of Portland Cement based plasters and follow the PCA standards.**

- SAFETY:

- See the attached material safety data sheet.

The information contained herein is based on our investigations and collected from real applications. IT IS GIVEN ONLY AS AN ASSESSEMENT INDICATION. It is out of our responsibility any defect or mismatch due to an inadequate use of the product. The waste removal derived from the use of the product, as well as the removal of the used bags and packages is responsibility of the end user and should be performed according to the laws and regulations in force in each country.