

## CemenTiT 600

### **Product Description:**

CemenTiT 600 Base Coat Plaster (Stucco) is a wet, pre-blended, cement based plaster with fibers & admixture which is batched by a computerized system at a concrete plant, using fresh cement & delivered by a concrete ready-mix truck straight to the job site, and will remain useable for approximately 48 hours.

CemenTiT 600 has flow-able consistency and high workability. It can be applied by hand (trowel) or by pump as a scratch & brown coat in a three-coat traditional application or as a first coat in a two-coat application.

### **Product Benefits & Features:**

- Lime free.
- Consistent & screened.
- High volume in less time.
- High strength & adhesion.
- Saves field mixing & labor.
- Prevents & reduces cracking.
- Uses fresh cement from concrete plant.
- **High workability for approximately 48 hours.**
- Environment & user friendly.
- Eliminates the need of material stocks in the job site.
- Wet Pre-blended in a computerized concrete batch plant & delivered in a concrete ready-mix truck, providing fresh & consistent product without interruption or miscalculation by the labor in the field.
- Can be applied in 1 coat of up to 1" in thickness as the first coat in a 2- coat application & can be used as the scratch and brown coat in a 3-coat stucco application.
- Allows a final float the next day as weather permits, slow curing.
- No need to have portable mixer on job site.
- Can be delivered the day prior to application.

### **Preparation:**

Remove all loose particles, dirt, dust, or any foreign materials that would inhibit proper bonding to subsurface. Lath must be installed per ASTM C 1063.

### **Application:**

CemenTiT600 plaster arrives at the building site ready to use, containing all the constituents required for high quality plaster. CemenTiT 600 wet pre-blended plaster can be use for a period of approximately 48 hours, when retained according to storage instructions.

CemenTiT 600 plaster starts working immediately on contact with the wall.

CemenTiT 600 can be applied, by hand trowel or gun (sprayed using a suitable pump), to 3/8"-1/2" (9.5-12.5 mm) and 3/4"-7/8" (19-22.2 mm) thick stucco, One-Coat and traditional Scratch and Brown applications according to typical stucco techniques.

Plaster with CemenTiT 600 is suitable for plastering over galvanized metal lath, solid concrete and concrete blocks, in accordance with ASTM C926 & other local building codes.

Always follow traditional industry best practices appropriate for the application and the particular weather conditions.

Good workmanship, in conjunction with proper design and detailing, is essential to achieve durable, efficient and watertight construction.

**In Application over solid concrete:**

- Solid concrete surfaces shall be evenly dampened with clean water prior to the application of plaster.
- The first (scratch) coat shall be applied with sufficient material and pressure, approximately 3/16" - 1/4", to ensure tight contact and complete coverage to the concrete surface. As soon as the first (scratch) coat becomes firm, the entire surface should be scored by notched hand trowel in one direction only. The vertical surfaces shall be scored horizontally.
- The second (brown) coat shall be applied with sufficient material and pressure to ensure tight contact with the first (scratch) coat and to bring the combined thickness of both coats to the nominal thickness shown in ASTM C926. The surface of the second (brown) coat shall be brought to a true, even plane with a rod or straight-edge, filling surface defects on walls with plaster. Dry rodding the surface of the brown coat should be allowed. The surface should be floated uniformly to promote densification of the coat and to provide a surface receptive to bonding of the finish coat.

**Curing & Moisture:**

CemenTiT 600 needs to be completely dry before moistening (wait approximately 48 hours in dry summer weather & 72 hours in winter, but in any case **NOT** until completely dry following application finish).

A reminder: there should be no visible water on the surface before moistening.

Provide sufficient moisture to permit continuous hydration of the cementitious materials and minimize cracking. Under normal conditions, moist curing is accomplished by applying water three times a day for a minimum of 2 days following CemenTiT 600 application & initial cure time.

Water shall be applied by a hose from the top of the wall surface, until the water is absorbed into the whole surface thickness, flowing down to the bottom of the wall.

Care must be exercised to avoid erosion damage to plaster surfaces.

During hot and dry conditions, additional precautions may be necessary, including more frequent misting, extended cure, or the erection of barriers to deflect sunlight and wind.

**Note:** The cure time between the scratch and brown coat in a CemenTiT600 plaster is stated at 48 hours, according to chapter 25 tables found in the Uniform Building Code (UBC) and the International Building Code (IBC). However, there is a section (2512.8 IBC) (2508.6 UBC) that allows the "alternate double-back method". This states that brown coat can be applied as soon as the scratch coat has attained sufficient rigidity to receive the second coat. In either case, the brown coat must cure a minimum of 14 days prior to the application of the finish coat. We recommend a minimum of 21 days. If at all possible wait 21 to 28 days to achieve more strength. This period gives the cement a little more time for final shrinkage, and a chance for the building to settle. It also allows the CemenTiT 600 to reach the full compressive strength after approximately 35 days.

In case of the application of any masonry material (such as Tile, Stone, Pre cast Concrete, Veneer, etc...) on the new brown coat, a minimum cure time of 21 days from the finish of the brown coat is required.

**Note:** Any work with high vibration tools such as jack hammers, sledge hammers, compactors or drills, near freshly applied stucco, or any work on the back side of the walls which have freshly applied stucco, should be halted for a period of 35 days in order to let the stucco reach its final strength.

**Note:** Regardless of what plaster mix is specified, it is still the plastering contractor's responsibility to monitor the moist cure phase of the scratch and brown and give instructions to the project manager on how to protect the new plaster and how to apply any finish coat.

**Storage of wet pre-blended material:**

CemenTiT 600 needs to be stored at all times in water proof, casings, containers or specially designed bulk bags, to eliminate evaporation.

Any container filled with CemenTiT 600 that is not to be used on the same day should be covered with plastic sheets in order to prevent exposure of plaster to the air and to afford protection from excessive dehydration. Do not leave less than 12" of Plaster in the container as it may dry.

CemenTiT 600 is a wet pre-blended ready to use plaster, and there is no need to add any other material in it whatsoever. Any additions can damage the nature and characteristics of the material.

In case of loss of moisture or dehydration of the material, water should be added to achieve proper plaster workability.

**Estimated Coverage:**

Quantity	Scratch & Brown Thickness	Approximately Coverage Sq. Ft.	Approximately Coverage Sq. Yd.
1 Cubic Yard	1/16" (0.0625 mm)	4,662-5,184	518-576
1 Cubic Yard	1/8" (0.125 mm)	2,331-2,592	259-288
1 Cubic Yard	3/8" (0.375 mm)	778-864	86.5-96
1 Cubic Yard	1/2" (0.5mm)	585-648	65-72
1 Cubic Yard	3/4" (0.75 mm)	387-432	43-48
1 Cubic Yard	7/8" (0.875 mm)	333-370	37-41.1
1 Cubic Yard	1" (0.375 mm)	292-324	32.5-36

All calculations shown above are approximate. They are subject to labor practices, waste, design of work, site conditions and type of surface.

Shahal Building Materials USA, LLC assumes no liability in their accuracy.

**Limitations:**

Apply in accordance to ASTM C926 standards for Portland Cement Plaster& other local building codes. The optimal temperature range for CemenTiT 600 application is between 40 degrees F(4 degrees C) and 100 degrees F (38 degrees C). Do not apply when temperatures are expected to fall below 40 degrees F(4 degrees C) or rise above 100 degrees F (38 degrees C) within a 24hours period. Protect from Rain or Freezing for 48 hours.

Application outside of this range is possible when appropriate precautions for cold or hot weather construction are implemented in compliance with ACI, PCA, ASTM, ANSI or Masonry Institute Standards.

Note: In any case requiring special solutions or alterations, please contact our technical department at 00970569033245 shahal545882@gmail.com

## **WARRANTY**

Please read all statements, recommendations or suggestions as they are based on our experience, data and knowledge, considered to be true and accurate at the time of this printing and is offered for the end users' consideration, investigation and verification. We are not responsible for the final product, only for the quality of our product in conjunction with our conditions of sale and delivery of CemenTiT 600, which apply to all goods supplied by us.

Shahal Building Materials USA, LLC will warrant the CemenTiT 600 additive, as supplied to the Concrete Ready-Mix facility, to be free of defects in material or workmanship. Any damage or claim arising out the use of our CemenTiT 600 additive will be limited to the replacement of its product (as purchased) if found to be defective, or as the shipping companies' option, to refund the purchase price. This product is not warranted as suitable for any purpose or use other than the general purpose for which it is intended.

This limited warranty is issued and accepted in lieu of all other warranties, expressed or implied, and specifically excludes liability for any and all consequential damages.

### **Safety Instructions:**

**Important !!!** Read the material safety data sheet (MSDS) before using this product.

**WARNING - INJURIOUS TO EYES. CAUSES SKIN IRRITATION.**

This product contains Portland cement and Wash plaster sand.

Avoid contact with eyes and skin.

Do not take internally. Crystalline silica sand & silica sand dust if inhaled may cause respiratory or other health problems. Prolonged inhalation may cause delayed lung injury, including silicosis and possibly cancer. A N95 approved dust mask, eye protection, and rubber boots and gloves are recommended when using this product.

Contact with wet unhardened concrete, mortar, cement or cement mixtures can cause skin irritation, severe chemical burns or serious eye damage. Wear waterproof gloves, a fully buttoned long-sleeved shirt, full length trousers and tight fitting safety goggles. If you have to stand in the wet product, wear waterproof boots high enough to keep the product from getting inside. If working on hands and knees, wear kneepads. Indirect contact through clothing can be as serious as direct contact. Promptly, rinse out wet product from clothing.

### **First Aid:**

**Eye Contact:** Immediately flush eyes with water for at least 15 minutes and consult a physician immediately.  
**DO NOT RUB EYES.**

**Skin Contact:** Wash promptly exposed skin area with soap and water. Consult a physician if irritation persists.

**Inhalation:** Breath fresh air.

**Ingestion:** Immediately consult a physician.

**KEEP OUT OF THE REACH OF CHILDREN AND ANIMALS.**

**WARNING:** This product contains a chemical known to the state of California to cause cancer, birth defects or other reproductive harm.

**Environmental Advisory:** Uncured or crushed cured cement is an environmental hazard, which may adversely affect fish and wildlife.

Dispose of construction debris containing cement, including empty bags, at a permitted municipal disposal firm. Do not use crushed concrete as a fill near an aquatic habitat.

For additional information, please contact us toll free at:  
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