

The Art of Plaster

ستكو
stucco

الشرقية للمونة الجافة oriental dry mortar

About Us

Stucco[®] is a brand of Oriental Dry Mortar, a subsidiary of Oriental Group of Companies, one of the leading manufacturers of construction materials for over 40 years in the Sultanate of Oman.

Based in Samail Industrial Estate, **Stucco**[®] was created as a response to growing customer needs. Introducing a German made state-of-the-art fully automated plant to ensure high precision dosing of bulk material, consistency of quality and accuracy of product specifications.

In line with the Group's 'Go Green' commitment, **Stucco**[®] adheres to the same values maintaining a healthy and safe work environment.

Vision

Stucco[®] aims to be recognized throughout the construction materials industry, reaching the highest degree of customer satisfaction.

Mission

Attending to the needs of building material products in the construction sector, providing customers with quality products and services in an eco preserving atmosphere. **Stucco**[®] focuses on occupational safety enabling the completion of tasks in a much safer environment.

P.O. Box 666, Postal Code 111, Sultanate of Oman. Phone +968 24446983 / 24449219 Fax +968 24446897 E-mail info@stucco.om



استنكو
stucco

Packaging

In targeting customer satisfaction, **Stucco®** offers a variety of packaging in different volumes and weights specifically tailored for maximum flexibility and capacity.

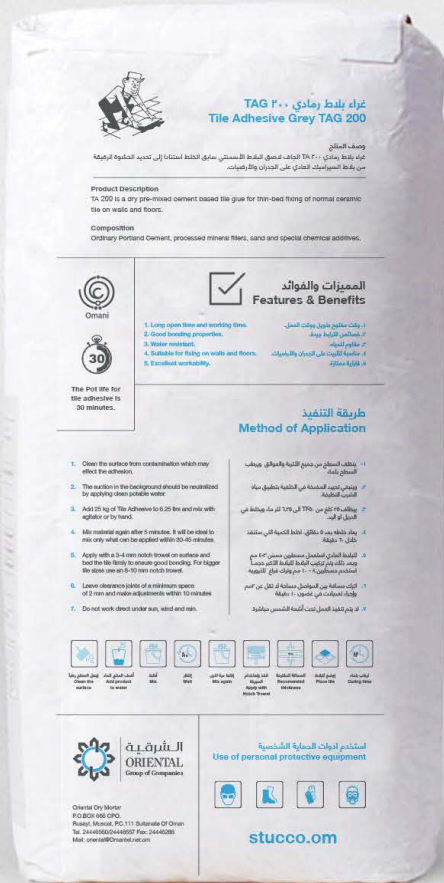
Regular paper bags

Humidity resistant paper bags

Up to five hour rain resistant paper bags

100% biodegradable bags

Multiple types of jumbo bags





Supply to Apply

While providing a flexible storage and transport system for an efficient on site delivery of dry premixes, **Stucco®** undertakes to qualify your application team by offering them training on application of the product turning them from masons to artisans. Additionally **Stucco®** can provide customers with application tools and expert practical advice.

Stucco Mobile Silo

Stucco® with its mobile silo system ensures that dry premixes are available at the construction site as and when required. The company has a unique transport and refilling system to provide dry premixes on construction site at the touch of a button and a conveying system that can reach up to required heights.

Range of Products

Block Mortars

Rush Coats

Cement Plasters

Gypsum Plasters

Thermal Insulation Render

Tile Adhesives & Grouts

Acoustic Plaster

Floor Screeds

Colored Finishes

Putties

Thixotropic Render

Non-Shrink Grouts

Repair Mortars





Description

Stucco® CP-100 is factory blended cement plaster / render for internal and external use. CP-100 provides exceptional bonding and creates a base for a variety of exterior finishes including paint or textured acrylic finishes. It can be applied manually or by a suitable plastering machine.

Composition

Ordinary Portland cement, hydrated lime, processed natural mineral aggregates and special chemical additives.

Advantages

- ✓ Easy application
- ✓ Superior bonding
- ✓ Internal or external application
- ✓ Better workability

Technical Data

Binder	Ordinary Portland cement
Size of the aggregate	< 2.0 mm
Density	Dry 1.55 kg/ltr, Wet 1.65 kg/ltr.
Water requirement	17%
Yield and coverage per ton	Approximately 630 ltrs and 42 m ² @15 mm thickness
Working time	Approximately 60 minutes
Curing	Minimum 3 days (3-4 times daily) by potable water
Compressive strength	> 3.0 N/mm ² at 28 days ASTM C579:2001 B
Flexural strength	1.0 N/mm ² at 28 days BS 4551:1980
Packing	Silo / 50 kg paper bags
Shelf life	12 months from date of manufacture
Application standards	BS5262, 5492, 4551, DIN 18550/1.18550/2, ASTM C348, C349, C926, C897, C109/ CM-01

Method of Application

- 1 **Surface preparation**
 - Surface must be free of dirt, oil, grease, scaling paint, releasing agents, curing agents, dust, loose particles, efflorescence or other foreign materials.
 - Spray sufficient amount of clean potable water to neutralize the suction of the background.
 - Allow free water to evaporate completely before the application of the render.
 - The fixing of all attachments such as pipe, electrical fittings, corner beads etc. should be carried out before commencement of rendering.

- 2 **Preparation on normal concrete surface** Apply rush coat for normal concrete surface RC-200 on the prepared concrete surface. A rough texture has to be obtained to provide a mechanical key for the subsequent coat of CP-100.

- 3 **Preparation on concrete with micro silica or curing compound** Apply rush coat special for concrete surface RC-300 on the prepared smooth concrete, which is modified with micro silica or curing compound or any other special admixture.

- 4 **Curing** Moist curing for 2 days (3-4 times daily) is necessary due to the absorption of moisture as well as the evaporation of surface moisture.

- 5 **In the event of dissimilar backgrounds** At all junctions of dissimilar backgrounds, fix expanded metal lath / fibre glass mesh (as approved by the consultant) or a groove has to be formed at the junction while the plaster is still soft.

- 6 **Mixing** CP-100 when applied manually, mixing should be done in a clean non-corrosive, uncontaminated metal tub. Add approximately 8.5 ltrs of clean potable water to 50 kg bag and mix by an electrical agitator to ensure a homogeneous and uniform mix. When applied with a plastering machine the water is adjusted by the flow meter and mixing is carried out automatically.

- 7 **Application** The substrates should be uniformly moistened prior to the application. CP-100 can be applied to a thickness of 15 mm in one coat with spray machine. But where the thickness is expected to exceed more than 15 mm it should be applied in multiple coats with receding thickness. In that case the previous coat of plaster must be cured for at least 2 days and final coat should always be done with the wooden trowel. Use of steel trowel should be avoided for the final finish. For external rendering it is recommended to apply in two coats.

- 8 **Curing** Moist curing for 3 days (3-4 times daily) is necessary due to the absorption of moisture as well as the evaporation of surface moisture.

- 9 **Precautions** Newly installed plaster should be protected from hot, dry winds and excessive ventilation. Do not apply if raining. Protect from rain for 48 hours after application. Hard or lumpy material must not be used. The plaster has to be allowed to dry out completely devoid of any moisture, before applying any kind of stucco finish, paint or wall paper.

Storage CP 100 must be protected from moisture and direct sunlight. Store off the ground in a cool and dry place.



Description

Stucco® BM-100 is a factory blended cement sand mortar for laying/ fixing the concrete block, and other similar masonry units. BM-100 minimizes shrinkage and movement in masonry walls due to controlled elasticity modulus.

Composition

Ordinary Portland cement, processed aggregates and special chemical additives.

Advantages

- ✓ Excellent workability
- ✓ Suitable for load & non load bearing walls
- ✓ Shrinkage resistant
- ✓ Superior bonding

Technical Data

Binder	Ordinary Portland cement
Size of the aggregate	< 2.0 mm
Density	Dry 1.70 kg/ltr, Wet 1.80 kg/ltr
Water requirement	15%
Yield per ton	Approximately 580 ltrs
Working time	Approximately 60 minutes.
Curing	Minimum 2 days (48 hours) by potable water
Compressive strength	5.0 N/mm ² at 28 days
Flexural strength	1.0 N/mm ² at 28 days
Packing	Silo / 50 kg paper bags
Shelf life	12 months from date of manufacture
Application standards	ASTM C270, C144, C150, C348, C349, C109/CM-01

Method of Application

- 1 **Surface preparation**
 - Concrete blocks or similar masonry units should be cleaned using a brush to remove any dust or loose particles.
 - Surface must be free of dirt, oil, grease, scaling paint, curing agents, dust, loose particles, efflorescence or foreign material.
 - Spray sufficient amount of clean potable water to neutralize the suction of the background.
 - Allow free water to evaporate completely before the application of block mortar.

- 2 **Mixing** Mix approximately 7.5 ltrs of clean potable water to a 50 kg bag in a clean non-corrosive, uncontaminated metal tub. Add Block mortar to water and mix with suitable electrical agitator to ensure a homogeneous and uniform mix. Allow to stand for approximately 5 minutes to completely dissolve the chemical additives. Do not add any additional water once mixing is completed. When mixed with a continuous screw mixer the water is adjusted by flow meter and mixing is carried out automatically.

- 3 **Application** Apply BM-100 to the background to the required thickness by a trowel and level. Fill the head joints with mortar properly. Tool all the joints when mortar has set to a thumb print hard.

- 4 **Curing** Moist curing for 2 days (3-4 times daily) is necessary due to the absorption of moisture as well as the evaporation of surface moisture.

- 5 **Precautions** Do not apply if raining. Protect from rain for 48 hours after application. Hard or lumpy material must not be used.

Storage *BM 100 must be protected from moisture and direct sunlight. Store off the ground in a cool and dry place.*



Description

Stucco® TA-200 is a dry premixed cement based tile glue for thin bed fixing of ceramic tiles on walls and floors.

Composition

Ordinary Portland cement, processed mineral fillers/ sand and special chemical additives.

Advantages

- ✓ Long open time and working time
- ✓ Superior bonding
- ✓ Water resistant
- ✓ Suitable for fixing on walls and floors

Technical Data

Binder	Ordinary Portland cement
Size of the aggregate	< 1.0 mm
Density	Dry 1.50 kg/ltr, Wet 1.73 kg/ltr
Water requirement	25%
Yield and coverage per ton	Approximately 680 ltrs and 225 m ² @3mm thickness
Working time	Approximately 30 minutes
Curing	Minimum 2 days (48 hours) by potable water
Compressive strength	18.0 N/mm ² @ 28 days
Flexural strength	2.0 N/mm ² @ 28 days
Packing	25 kg paper bags
Shelf life	6 months from date of manufacture
Application standards	BS EN 12004:2001, 1348:1997, ASTM C 348, C349, C109/ C109M-01, BS 4551 Part:1

Method of Application

- 1 **Surface preparation**
 - The surface on which tiles are to be fixed should be well compacted, properly cured, and free from air voids dimensionally stable, sound concrete/screed base.
 - Before applying tiles on such base, clean the surface with a brush to remove loose sand/aggregate particles, oil grease, paint surfaces which may otherwise hamper the adhesiveness of the material.
 - The suction in the background should be neutralized by applying clean potable water.
 - Free water on the surface should be allowed to disperse before applying TA-200.

- 2 **Mixing** Mix approximately 6.25 ltrs of clean potable water to a 25 kg bag in a clean non-corrosive, uncontaminated metal tub. Add tile adhesive to water and mix with suitable electrical agitator. Allow to stand for approximate. 5 minutes to completely dissolve the chemical additives. Mix the material again after 5 minutes. Do not add any additional water once mixing is completed. Mix only what can be applied within 30-45 minutes.

- 3 **Application** Apply TA-200 with a 3-4 mm notch trowel on surface and bed the tile firmly to ensure good bonding. For bigger tile sizes use an 8-10 mm notch trowel. Leave clearance joints of a minimum space of 2 mm and make adjustments within 10 minutes. Buttering the mortar onto the back of tile is not recommended but if essential it should be spread over the entire back of the tile to an even depth.

- 4 **Curing** Moist curing for 2 days (3-4 times daily).

- 5 **Precautions** Protective measures should be adopted during application from direct sun, wind and rain. Ceramic tiles should never be fixed with tight joints. Leave a minimum space of 2 mm around every tile. Grouting should not be carried out for at least 48 hours after the completion of tiling. During this period water curing must be carried out for hydration of cement. Hard or lumpy material must not be used.

Storage TA 200 must be protected from moisture and direct sunlight. Store off the ground in a cool and dry place.



Description

Stucco® RC-200 is a factory blended polymer modified cement based rush coat to provide a mechanical key on normal concrete surface. The use of rush coat RC-200 is to replace chipping or hacking on normal concrete surface.

Composition

Ordinary Portland cement, processed sand, polymers and plasticizer.

Advantages

- ✓ Excellent bonding to the substrate
- ✓ Eliminates hacking
- ✓ Easy to use, only requires addition of water
- ✓ Higher productivity saving on labour costs & time

Technical Data

Binder	Ordinary Portland cement
Size of the aggregate	< 2.0 mm
Density	Dry 1.70 kg/ltr, Wet 1.85 kg/ltr
Water requirement	23%
Yield and coverage per bag	Approximately 31 ltrs and 20 m ² @ 2mm thickness
Working time	Approximately 45 minutes
Curing	Minimum 2 days (48 hours) by potable water
Compressive strength	12.0 N/mm ² @ 28 days ASTM C579:2001 B
Flexural strength	2.0 N/mm ² @ 28 days BS 4551:1980
Packing	50 kg paper bags
Shelf life	12 months from date of manufacture
Application standards	DIN 1168, BS 5262,5492,4551, DIN 18550/1, ASTM C932, C348, C349, C109/CM-01

Method of Application

- 1 **Surface preparation**
 - Surface must be free of dirt, oil, grease, scaling paint, releasing agents, curing agents, dust, loose particles, efflorescence or other foreign materials.
 - Spray sufficient amount of clean potable water to neutralize the suction of the background.
 - Allow free water to evaporate completely before the application of the rush coat RC-200.

- 2 **Mixing** Mix approximately 11.5 ltrs of clean potable water per 50 kg bag in a clean non corrosive, uncontaminated metal tub. Add rush coat RC-200 to water and mix with a suitable mechanical mixer. Allow to stand for approximate. 5 minutes to completely dissolve the chemical additives. Do not add any additional water once mixing is completed.

- 3 **Application** Apply using a "Tyrolean box" or with a hopper spray gun. **Do not apply by trowel.** Apply the material in two coats wet on wet but allow the first coat to stiffen slightly and spray another coat on it. A rough texture is to be obtained to provide a mechanical key for the subsequent coat of plaster.

- 4 **Curing** Moist curing for 2 days (3-4 times daily) is necessary due to the absorption of moisture as well as the evaporation of surface moisture.

- 5 **Precautions** Do not apply if raining. Protect from rain for 48 hours after application. Hard or lumpy material must not be used.

Storage *RC 200 must be protected from moisture and direct sunlight. Store off the ground in a cool and dry place.*