

UniDÉcor® 700

Cement-based, decorative, smooth finish render

Description

UniDÉcor 700 is a single component, cement-based, factory pre-blended, polymer modified colored top coat mortar most suited to give smooth texture finish.

UniDÉcor 700 can be applied manually using suitable hand tools or by spraying machine. After drying, it gives high performance, color, decorative render with minimum color fading.

Features and benefits

- Exceptional and consistent quality.
- Established track record in varying climatic conditions.
- Suitable for interior and exterior applications.
- Excellent workability with extended open time.
- Gives exceptional aesthetic appeal finish.
- High adhesion bond strength, whilst allowing the structure to breath.
- Good colors' stability against UV rays and sunlight.
- Efflorescence is very low compared with conventional decorative renders.

Recommended for

UniDÉcor 700 is the ideal solution where color decorative smooth finish render is required especially in coastal areas. These areas are widely available in compounds, resorts, clubs, schools, shopping centers, private & commercial buildings and villas.

Composition

UniDÉcor 700 is composed of high strength Portland cement, well-graded fillers, inorganic UV stable pigments, and special additives to enhance workability, water retention and adhesion.

Packaging

UniDÉcor 700 is available in 25 kg bags.

Coverage

Approximately 2.4 kg/m².

Note:

Coverage rate takes no account of wastage and may vary according to surface condition and application method.

Technical data

Powder density	1.45 kg/liter
Pot Life	120 minutes @ 20°C
Grain Size	<1.2 mm
Application thickness	1.50 – 4.00 mm/layer
Compressive strength ASTM C109	>17 N/mm ²
Flexural strength ASTM C348	>3.8 N/mm ²
Water absorption ASTM D570	4.93%
Effect of UV exposure wave length 312 nm for 200 hours ASTM G154	No cracking, blistering and chalking
Distilled water resistance 24 hours ASTM C413	2.1%
Adhesion to concrete ASTM C321	1.1 MPa
Heat resistance (70° 24 hours)	Pass
Alkali resistance for mixture	Pass
Sandability	Pass
Colors	Available in 22 standard colors*

*Consultants should consult ACC façade renders color chart. Whenever possible, obtain samples prior to specification.

Surface preparation

The recommended substrates are cement based substrates. Do not apply to gypsum plaster or previously painted surfaces. Substrates must be sound, clean, suitably dry and free of any material which may impair

adhesion. Any faults in the structure, particularly those which may lead to moisture penetration must be rectified. Scaffolding must be independently tied to allow for an uninterrupted application. Feature stops may be formed using clean straight timber battens. Alternatively, suitable beads may be used. Edging tape must be removed before the material has dried.

Expansion joints should be included as required by the substrate and carried through all applied materials.

Wash the substrate with water prior to the application. Ensure that the substrate is dry at the time of application to control suction.

Surface sealing

For porous substrates, apply one coat of **AcrySeal 799** as a penetrating sealer coat to seal the prepared substrate and improve the adhesion (optional).

Mixing

Mechanically mix using suitable batch mixer or continuously mixing spray render machine. Slow speed drill fitted with mixing paddle can also be used. Partial small amounts may be mixed manually using suitable hand tools. Gradually add the content of the 25 kg bag to 5.75 - 6.25 liters of water and mix for 3 to 5 minutes. For best results, use as little water as possible. Mix until homogeneous free of lumps mortar consistency is achieved. Do not over mix.

Mix material that can be applied within 120 minutes (pot life). If **UniDécor 700** mortar starts to harden, remix it to regain a workable consistency. Do not add extra water.

To ensure color consistency, the quantity of mixing water should be strictly monitored between batches. The mixing time between batches should remain consistent.

Application

Nylon, steel, sponge trowel or other hand tools may be used to spread the material.

UniDécor 700 can be applied at application thickness from 1.50 to 4.00 mm/layer. If more thickness is required, apply **UniDécor 700** in two layers.

Apply a scratch coat of **UniDécor 700** to avoid in-consistent color. Leave it for 1-3 hours to dry depending on weather conditions.

Apply a uniform coat of **UniDécor 700**, maintain a steady flow of application and keep a wet edge on all incomplete edges.

Structure the layer with steel trowel before the surface starts to dry. Then create the desired final texture using a nylon trowel.

Finish the final layer in vertical, horizontal or circular motion. Sponge trowel or other tools may be used to obtain different aspects. No curing is required.

Important notes

Do not apply if ambient temperature is below 5°C or higher than 40°C. Do not apply in direct sunlight around noon time in summer months. Do not apply on substrates that are subject to water leakage. Do not apply during rainfall. Protect the applied layer from rainfall till it is dry.

The materials required for complete panels should be of the same batch or to be thoroughly dry mixed together before use. Panels should be completed in a continuous sequence to eliminate cold joints and marks between different applications.

The workforce should be suitable for the work space.

It is recommended to stop **UniDécor 700** within 15 cm above the finishing level to avoid dampness and discoloration. Use suitable skirting material.

If **UniDécor 700** will be subjected to frequent water splashing, seal the final surface with **AcrySeal 999**.

One coat of **UniSeal 910** may be applied as a protective coat. It offers outstanding protection sealing coat specially designed to offer excellent resistance to dirt & dust pick up. In

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this case apply one coat of **AcrySeal 799** prior to the application of **UniSeal 910**.

Cleaning

Clean tools with water immediately after use. Hardened materials should be cleaned mechanically.

Storage and shelf life

If stored unopened in a dry place at a temperature between +5°C and +30°C away from sources of heat and moisture, shelf life is 12 months from the date of manufacture printed on the pack.

Health and Safety

This product contains cement which may cause skin irritation. It may cause allergic skin reaction and eye damage. Avoid breathing dust. Wear protective gloves, eye goggles and clothing. In case of skin contact, wash with plenty of water. In case of eye contact, rinse continuously with water for several minutes and seek medical attention. Dispose excess material to special waste collection point in accordance with local & national regulation. Keep out of reach of children. For further information, please ask for Safety Data Sheet for this product.

The most up-to-date TDS can be obtained from ACC Customer Service Department, or downloaded from our website: www.acc.com.eg.

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A wide range of construction chemicals, specialty mortars and specialized building materials are manufactured by ACC which include:

- Waterproofing.
- Flooring.
- Tile Adhesives & Grouts.
- Concrete Repair.
- Non-Shrink Grouts.
- Bonding Agents.
- Exterior Façade Coatings.
- Premixed Fairing Coats, Renders & Mortars.
- Putties (stucco).
- Sealers & Emulsion Paints.