

# Deco Plaster 101

Colored Plaster

## DESCRIPTION:

**Deco Plaster 101** is a dry, pre-blended, textured, Portland cement based stucco finish coat

## FEATURES AND BENEFITS:

- Textured stucco finish coat
- Weatherproof and decorate concrete and masonry
- Mixes easily with potable water
- Trowel or spray apply
- Available in pre-mixed colors
- High durability
- Consistent uniformly colored finish
- Excellent bond

## APPLICATION:

Exterior or interior

- Formed or precast concrete
- Masonry
- Stone
- Brick
- Cement plaster, stucco brown coats

## COLORS:

**Deco Plaster 101** is available in a wide range of colors. Special and custom colors are also available subject to minimum order quantities and up charges. See the Decorete® Color chart for more details.

## SURFACE PREPARATION:

Cure new concrete 28 days. Cracks, voids and holes on old concrete should be repaired prior to application of **Deco Plaster 101**. Surface to be free of dirt, paint, laitance, efflorescence and other contaminants.

For maximum bond, apply **Deco Bond 500** to smooth, dense or non-porous substrates prior to applying **Deco Plaster 101**.

Dampen the substrate NOT coated with **Deco Bond 500** with potable water prior to applying **Deco Plaster 101**.

## MIXING INSTRUCTIONS:

One 30 Kg bag of **Deco Plaster 101** will require approximately 6.00 liters of potable water to produce a trowel consistency.

A spray consistency may require up to 8.0 liters of water. In either mix, the quantity of water used must be uniform from batch to batch.

1. Mix **Deco Plaster 101** in a slow speed rotary mixer equipped with rubber tipped blades. High speed or prolonged mixing will entrap excess air.
2. With the mixer running, add 1/2 of the required water and slowly add the bag of the **Deco Plaster 101**.
3. Add additional water to produce a smooth, workable consistency. Continue mixing for 3 to 5 minutes.
4. Stop the mixer, and allow the material to "fatten" for approximately 5 to 10 minutes.
5. Start the mixer and blend for an additional 1 to 2 minutes. Add water as needed to achieve desired consistency.

## APPLICATION TECHNIQUES:

To produce uniform texture and color, **Deco Plaster 101** must be installed by experienced workmen using similar application techniques and tools. Light colors may be floated, textured, or finished smooth. Dark colors show the greatest color uniformity and intensity when textured.

Trowel Application:

Apply **Deco Plaster 101** with sufficient pressure to ensure tight material contact and complete coverage of the substrate.

Apply an even coat of material to the surface, and immediately double back with a second trowel application. Allow **Deco Plaster 101** to lose surface moisture and stiffen slightly before floating or texturing.

Spray Application:

Applicators must be experienced in the use of spray equipment designed specifically for cement based materials. Apply **Deco Plaster 101** with a professional type high production plaster spray gun or hopper type gun. Spray a thin, even coat of **Deco Plaster 101** onto the surface to obtain uniform absorption. Hold the spray nozzle at a 90 degree angle uniform distance from the surface.

Immediately double back with the finish coat before the first coat has lost its surface sheen. Spray to a natural break such as corners, control joints, expansion joints, roof lines, or wall and ceiling openings.

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## CURING:

Deco Plaster 101 should not be WET cured with water, only MIST cure, or use Deco Guard as a curing agent

## FIELD SAMPLES:

Before starting the work, construct a field sample or mock-up using all materials and systems that will be employed in the actual construction process. Deco Plaster 101 must be mixed in full batch quantities, using all job site procedures. Do not mix by hand. Obtain approval of the owner or architect for color, texture, and coverage rates prior to beginning work. Retain the mock-up or field sample through the completion of the project.

## COVERAGE:

The following coverage rates are approximate and for estimating purposes only. The texture, thickness, and application techniques will determine the quantity of Deco Plaster 101 required.

One 30kg bag of Deco Plaster 101 will cover approximately 15 m<sup>2</sup>.

## TECHNICAL DATA:

|   |         |
|---|---------|
| Compressive Strength: (Air cure)<br>BS EN 1015- 11:1999 | CS III  |
| Flexural Strength: (Air Cure)<br>BS EN 1015-11:1999     | 2.9 MPa |
| Adhesive Strength: (Air cure)<br>BS EN 1015-12:2000     | FP A    |

Water Absorption coefficient due to capillary action:

|  |                   |
|--|-------------------|
| BS EN 1015-18 2002                                 | WI                |
| Thermal Conductivity:<br>ASTM C177-10              | .44 watt/m.c°     |
| Compressive Strength (7 days)<br>BS EN 12190:1999  | > 23 MPa          |
| Compressive Strength (28 days)<br>BS EN 12190:1999 | > 29 MPa          |
| Bond Strength by Pull-off<br>BS EN 1542:1999       | 1.3 MPa           |
| Non-combustible                                    | CAN4-ULC-S114-M80 |

## CLEAN-UP INSTRUCTIONS:

Clean mixing and application equipment with water immediately after use.

Clean spills, overspray, splatters, or excess form surfaces before material sets.

## CAUTION:

Deco Plaster 101 is subject to the formation of efflorescence at the surface, a suitable proofing system is recommended.

Furthermore a sealing coat is advisable; a wide selection range of products is available to satisfy different requirements. For more information refer to our waterproofing products.

## LIMITATIONS:

Do not apply Deco Plaster 101 to frozen or frost covered surfaces. Do not apply Deco Plaster 101 when temperatures below 5°C or above 35°C are expected within 48 hours. Protect fresh Deco Plaster 101 from rain. Do not apply Deco Plaster 101 to horizontal traffic bearing surfaces.

## PACKAGING:

30 kg bags.

## SHELF LIFE:

One year when stored properly in a dry/moisture free environment.

## SERVICES:

For further information on this product together with advice on application, please contact the Technical Advisory Department.

## WARRANTY (DISCLAIMER):

Decorete® fully warrants their products when used and applied in strict accordance with the printed instructions on product mixing and product application. In any case Decorete®'s responsibility shall not exceed either the refund of the purchase

KEEP OUT OF REACH OF CHILDREN