

# BP-SkimCrete

Premium Quality Acrylic Modified Skim Coating

## Description

**BP-SkimCrete** is two component acrylic modified paste used for fair-face cosmetic job on plaster surfaces, thin plastering on concrete surfaces or for repairing small crack, filling small bubbles and leveling uneven surfaces resulting smooth plastered surface. It can be applied to both interior and exterior substrates which give good adhesion. A smooth surface is obtained by eliminating blemishes.

## Application Area

**BP-SkimCrete** is used for cosmetic repairs to interior and exterior walls, columns and ceilings: shuttered concrete surfaces, reinforced concrete shell-work, cast-in-situ concrete, precast concrete panels, brick and block works etc.

## Advantages

**BP-SkimCrete** provides the following beneficial properties:

- ✓ Skim coating for plaster wall, concrete wall, column, ceiling, joints, etc.
- ✓ Able to render as thin as recommended without cracks.
- ✓ Able to render in multiple layers without peeling off.
- ✓ Use for interior and exterior
- ✓ Save paints when painting
- ✓ Non-toxic, No Mercury and Lead.
- ✓ Excellent adhesion & Easy to apply.

## Typical Properties

| Property                | Test Method             | Value   |
|-------------------------|-------------------------|---|
| Component               |                         | Two: Part A - Liquid<br>Part B – Powder   |
| Form                    |                         | Paste   |
| Colour                  |                         | Off-white, Light grey,<br>Grey, etc.  |
| Viscosity, CPS          | Spindle #6,<br>Speed 20 | 14,000 - 20,000 CPs   |
| Density                 |                         | 1.36 – 1.40 g/cm3   |
| VOC                     | ISO 11890 - 2           | < 1.0 g/l   |
| Curing Time,<br>at 25°C | In-House Test           | 24–48 hours depending<br>on application thickness<br>and ambient conditions.                          |
| Tensile<br>Strength,    | ASTM C190 -<br>85       | > 2 MPa   |
| Bonding<br>Strength     | ASTM C882               | > 8 MPa   |
| Compressive<br>Strength | ASTM C109 /<br>C109M-01 | > 33 MPa  |
| Flexibility             | In-House Test           | No cracking of film after<br>1000 hrs. accelerated<br>weathering conditions<br>and flexed 180 degrees |
| UV Resistance           | ASTM-D-822              | 2000 hrs. No<br>deterioration, no color<br>fade   |
| Coverage                |                         | For 500 micron thick dry<br>film allow approx.<br>10m2/kg.  |

## Design Criteria

Apply in separate coats, each at a right angle to the one before. Using a different colour for each coat helps ensure consistency of cover. The final coating thickness to be achieved depends on the requirements of the individual surface. A final dry film thickness between 300 micron and 800 micron may be built-up. Coverage varies depending on factors such as type and quality of substrates i.e. surface regularity and application method.

## Surface Preparation

Surface preparation is a very vital issue and this influences the integrity of the job. Hence, care must be exercised when the preparation is done. All substrate must be clean, sound, dust-free and without any traces of oil, laitance, curing compound, coatings etc. Blowholes, seams, and surface defects must be treated with CP-ReCon GP range of products prior to application.

## Application Guidelines

**BP-SkimCrete** is a ready-to-use skim coat. Do not mix with any other materials, including water. Apply a layer of **BP-SkimCrete** to the surface of the substrate with a clean stainless steel trowel. Always work to achieve a flat and smooth surface with minimal trowel marks. Maintain a wet edge by applying and levelling continually over the substrate surface. Work the skim coat to corners, joints or other natural breaks. Do not allow the skim coat to dry-out within an uninterrupted wall area. Allow the surface to completely cure before applying subsequent coats. Wash the blade of tool regularly in order to remove hardened residues. Never return the product to the bucket. Two separate coats must be applied for successful resurfacing.

## Curing

Allow 24 hours between coats. A final curing time of 48 hours is adequate at normal working temperatures. Ensure curing is complete before laying thermal insulation boards, mechanical protection and other coverings. Low temperatures and high atmospheric humidity will slow down the curing rate, and vice versa.

## Packaging

4 Kg, 10 Kg & 20 Kg.

## Coverage

Coverage varies depending on factors such as type and quality of substrates i.e. surface regularity and application method.

## Storage & Shelf-life

12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life.

## Limitations

- ✓ Do not add any chemicals and cement
- ✓ Not recommended to be applied on floor surfaces
- ✓ Do not apply **BP-SkimCrete** over dynamic/movement cracks or structural cracks
- ✓ Do not use **BP-SkimCrete** as the base coat for embedding Reinforcing Mesh

# BP-SkimCrete

- ✓ Do not apply on painted surfaces
- ✓ Do not apply on damp or hot substrate
- ✓ Do not submerge the product
- ✓ Do not apply **BP-SkimCrete** more than 1mm per coat which may result to mud cracking and longer drying time.

## Cleaning

Clean all equipments and tools with water immediately after use. Hardened material can be removed mechanically.

## Health and Safety

During use, avoid inhalation and contact with the skin or eyes. Gloves, goggles and suitable mask must be

worn. Contact with skin, eyes, etc. must be avoided. If swallowed seek medical attention immediately. Regarded as non-hazardous for transportation. Do not reuse containers. To be disposed off as per local rules and regulations.

## Quality & Care

Conpacmix (BD) Ltd acquired German technology for an updated production facility and set up a state of the art laboratory facility for conducting regular quality assessments on raw materials procured and finished products. Process from procurement of raw materials to finished products, are managed by qualified and experienced engineers, chemists and technicians.

**Note:** Field service where provided does not constitute supervisory responsibility. Suggestions made by **Conpacmix (BD) Ltd.** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **Conpacmix (BD) Ltd.**, are responsible for carrying out procedures appropriate to a specific application.

Manufacture:

