

# COSTARFLO 300

## Heavy Duty Cementitious Overlayment

### Description

Costarflo 300 is heavy duty cementitious self-leveling overlayment for concrete floors. It creates an abrasion resistant smooth surface which can be used as a high strength underlayment for coatings and floor coverings; it can also be used as a decorative finish in show rooms, offices and malls when polished.

### Benefits

- High Strength
- Smooth surface profile
- Ensures safe use in places with poor ventilation
- Excellent flow with long slump life
- Excellent flexural and tensile strength
- Dense corrosion resistance surface
- Great resistance to chemicals, acid and solvents
- Great anti-static properties
- Long-work time, easy placement.
- Can be mixed at a wide range of consistencies.
- Dynamic load stability.

### Application Areas

COSTARFLO 300 is used to provide a heavy duty leveled surface for storage and assembly halls, maintenance workshops, garages, loading ramps, factories, warehouses, shopping centers, laboratories, plant room for pharmaceutical and health care product manufacturing units etc. It can also be used for repair of surface defects on concrete floors.

### Surface Preparation

Clean surface of oil, grease, dirt, laitance and loose material, down to sound concrete. New concrete surfaces should be allowed to cure 4 – 6 weeks. All cracks and damaged areas should be repaired. Smooth troweled concrete must be acid etched to ensure proper adhesion.

### Priming

Concrete substrates should be primed with Costar Primer 10 before application of Costarflo 300.

### Mixing Instruction

Add Costarflo 300 into 4.4 liters of water and mix with a slow speed drill (300-600 rpm) until a lump-free mix is achieved. Ensure that adequate water is added to the product. 3% organic pigment can be added to the mixing water until a streak-free mix is achieved.

Pour the mixed material onto the primed surface and allow to flow and attain a smooth finish. Minimal work with a smoothing trowel is required. The use of a spiked roller will help eliminate entrapped air and smooth out flow lines to give a more uniform surface appearance. Surfaces with Costarflo 300 is ready for foot and covering with ceramic tiles after 3-4 hours while for heavy traffic, the time is 16 hours after application

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## Heavy Duty Cementitious Overlayment

### Packaging

20kg

### Technical Specification

Color	Density	Chloride	Substrate Temperature	Working Time
Grey	1.6Kg/l	<0.05%	10-35°C	30-45 minutes

#### Application Thickness

Floor covering	Factory Floor Finish
3-15mm	15-33mm

#### Compressive Strength (Mpa)

2 Hours	4 Hours	1 Day	3 Days	7 Days	28 Days
25Mpa	40Mpa	53.1Mpa	54Mpa	56Mpa	67.1 Mpa

#### Flexural Strength (Mpa)

1 Day	7 Days	28 Days
7.6Mpa	9.3Mpa	11.0 Mpa

### Health and Safety

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable protective clothing, gloves and eye/face protection.

If swallowed, seek medical advice immediately and show this container or label.

Keep the coating materials above 100C.

Do not apply when surface temperature is below 10°C or over 35°C

Do not apply in environments of high humidity/moisture, or if pending rain is a possibility.

Once mixed, it must use within its pot life as specified in earlier section

### Warranty

The information and recommendations relating to the application of Costar products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with the stated recommendations in the product datasheets. Whilst Costar endeavors to ensure that any advice, recommendation, specification of information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation of information given by it. The user of the product must test the product's suitability for the intended application and purpose. Costar reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request

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