

COSTARFLO 400

Fast Setting Heavy Duty Cementitious Overlayment

Description

Costarflo 400 is fast setting heavy duty cementitious self-leveling overlayment for concrete floors. It creates an abrasion resistant smooth surface. It 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

- Fast setting and heavy duty overlayment
- Smooth surface profile
- Ensures safe use in places with poor ventilation
- Excellent flow
- Excellent flexural and tensile strength
- Dense corrosion resistance surface
- Great resistance to chemicals, acid and solvents
- Great anti-static properties
- Can be mixed at a wide range of consistencies.
- Dynamic load stability.

Application Areas

COSTARFLO 400 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 400.

Mixing Instruction

Add Costarflo 400 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 400 is ready for foot and heavy traffic after 3-6 hours after application

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Fast Setting 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	53Mpa	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 10C.

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 two components are mixed, must use within its pot life as specified in earlier section

Limited Warranty

All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty either expressed or implied. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his or her use of the product. Nothing contained in any supplied materials relieves the user of the obligation to read and follow the warnings and instruction for each product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use away.

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