

COSTAR TOP 10

Clear Sodium Silicate based Densifier and Concrete Hardener



PRODUCT DESCRIPTION

Costar Top 10 is a clear sodium silicate-based solution which chemically reacts with soft free lime and calcium carbonate compounds in concrete to densify and create chemically resistant surfaces. It is used to cure, harden and seal fresh or hardened concrete.

FEATURES

- A low cost treatment for exposed concrete surfaces
- Easy to use and fast drying
- Residue-free surface allows bond of various paints, adhesives or toppings
- Low odor and non-yellowing
- No solvent vapors
- Improved abrasion and chemical resistance
- Excellent dustproofing properties
- Improves cleanability

USES

Costar Top 10 is recommended for use on old and new concrete surfaces such as light industrial plants, warehouses, laundries, as well as in food storage plants and bakeries. It is also appropriate for areas with frequent foot traffic such as civic centers, sports arenas, stadiums and other commercial buildings.

APPLICATION

New Concrete

Spray first coat uniformly after surface water glaze is gone at the rate of 6 - 8m²/L. Apply second coat uniformly 4 hours later at the same rate in the opposite direction. Squeegee or wipe up all puddling. Fresh concrete placed in enclosed areas without adequate ventilation will hold water in concrete causing a super saturated condition.

When Costar Top 10 is applied in such conditions, it may build on surfaces creating a very slippery jelly-like silicate residue. Flush with water and squeegee off residue before it dries. Re-apply Costar Top 10 after floor has thoroughly dried.

Old Concrete

Surfaces must be sound and clean. All residue, oil, sealers, waxes, contaminants and laitance must be removed from surfaces for maximum penetration. Remove unsound concrete and repair holes, cracks and deteriorated areas. Apply two or more uniform coats at the rate of 6 - 8 m²/L each coat as needed. Allow a minimum of 4 hours between coats. Apply to oil-free and thoroughly cleaned, sound concrete surfaces. Provide adequate ventilation in enclosed areas to facilitate proper drying. Do not puddle.

MAINTENANCE

A mechanical walk-behind or ride-on scrubber is an efficient and economical means of regularly cleaning concrete floors. Only soft scrubbing or soft brush attachments should be used when mechanically scrubbing your floor. Do not use aggressive abrasive pads or brushes. The use of black scrubbing pads, diamond impregnated pads or carbide impregnated type brushes may dull the surface gloss. Wet mops work well on small floors or places where a mechanical scrubber will not fit.

Cleaning

Remove uncured CostarTop 10 from tools and equipment immediately after application using a suitable thinner (Xylene / Acetone). Stiffened or cured CostarTop 10 can be removed by suitable mechanical means.

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TECHNICAL PROPERTIES

Packaging	20L, 210, 1000L	
State	liquid	
Coverage	3-4m ² /L/ two coat	
Shelf life	12 month from date of production	
Density	1.26g/cm ³	
Properties	Standard	Costar top 10 performance
Curing efficiency- water retention	ASTM C 156	Loss of water : 0.43kgm ²
Capillary water absorption	EN 1062-3	20.51% better than untreated concrete
Abrasion resistance	EN 12808-2	20% better than untreated concrete
Pull of test	EN 1542	30.34% better than untreated concrete

SHELF LIFE

Shelf life is 12 months provided the temperature is kept within the range of 5°C to 50°C.

STANDARD COMPLIANCE

Conforms to the requirement of EN 1062-3 and ASTM C 156

LIMITATION

- Apply when concrete surface temperatures are 40°F (4°C) and rising
- Provide adequate ventilation in enclosed areas to facilitate proper drying
- Do not puddle

ADDITIONAL INFORMATION

Costarchem manufactures a complete range of construction chemical products which include:

- Concrete admixtures
- Waterproofing system
- Flooring system
- Cementitious and epoxy precision grouts
- Damp-proofing products
- Sealants and adhesives
- Repair and refurbishment systems

For more information on any of our products, please contact Costarchem global or regional office.

LEGAL NOTE

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