

METHOD STATEMENT



COSTAR TOP 10 LIQUID FLOOR HARDENER

COSTAR BUILDING PRODUCT SYSTEM

Performance As Promised

www.costarchem.com

1. SCOPE

This method statement describes the step-by-step procedure for using Liquid floor hardeners

2. DESCRIPTION

This method statement describes the hardening of concrete floors for increased longevity and durability of industrial floors with liquid floor hardeners.

2.1 LIMITATIONS


- Products shall only be applied in accordance with their intended use.
- The most recent and relevant Product Data Sheets (PDS) and Safety Data Sheets (SDS) shall apply
- This method statement is only a guide and shall be adapted to suit local products, standards, legislation, or other local requirements.

3. REFERENCES

To ensure correct application of all components of Costar floor hardener, please refer to the following documents of each product component:

- PDS (Product Data Sheet)
- SDS (Safety Data Sheet)

4. PRODUCTS

Floor Hardeners	Product Description
<p>COSTAR TOP 10</p> 	<p>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. It is also appropriate for areas with frequent foot traffic.</p>

5. SUBSTRATE PREPARATION

Adequate surface preparation is required before the application of Costar floor hardener.

5.1 Liquid Floor Hardener

Old Concrete

- 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.

New Concrete

- Allow surface water glaze to dry up.

6. APPLICATION METHOD/TOOLS

6.1 Liquid Floor Hardener

New Concrete

- Spray first coat uniformly after surface water glaze is gone at the rate of 7m²/L.
- Apply second coat uniformly 4 hours later at the same rate in the opposite direction.
- Squeeze 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 are applied in such conditions, it may build on surfaces creating a very slippery jelly-like silicate residue. Flush with water and squeeze off residue before it dries.
- Re-apply Costar Top 10 and 20 after floor has thoroughly dried.

Old Concrete

- Apply two or more uniform coats at the rate of 7m²/L each coat as needed.
- Allow a minimum of 4 hours between coats.
- Provide adequate ventilation in enclosed areas to facilitate proper drying.
- Do not puddle.

7. INSPECTION, QUALITY CONTROL

As part of "Good Practice" the contractor shall apply an inspection procedure to check the quality of the applied protection system.

8. DISCLAIMER AND COSTAR COMPANY ADDRESS

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.

