

METHOD STATEMENT



COSTAR TOP 100 APPLICATION

COSTAR BUILDING PRODUCT SYSTEM
Next Generation Solutions For Today's Construction

www.costarchem.com

1. SCOPE

This method statement describes the step-by-step procedure for using Costar Top 100

2. DESCRIPTION

This method statement describes the hardening of concrete floors for increased longevity and durability of industrial floors with powdered 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

| Monolithic Floor Hardeners | Product Description |
|--|---|
| <p style="text-align: center;">COSTAR TOP 100</p>  | <p>Costar Top 100 contains special hardwearing aggregates which have been selected for abrasion and wear resistant properties as well as shape and size. It is specifically designed for hardening of freshly placed concrete. . They are ideally suited for all industrial areas subject to light or medium traffic.</p> |

5. INVESTIGATION / SUBSTRATE PREPARATION / APPLICATION

Adequate surface preparation is required before the application of Costar Top 100. The base concrete should have a minimum cement content of 300 kg/m³ with low slump of 40-60mm. This improves the quality of concrete mix and enables low w/c ratio to be kept.

5.1 Method of Laying Base Concrete

The base concrete must be laid in accordance with good concrete practice either in bays or long strips. Care must be taken at the corners and edges of the bays to obtain good compaction and to maintain level for subsequent trowel operations. If too much of free water is seen on the surface, water content in subsequent concrete must be reduced to obviate the presence of free water.

5.2 Application of Costar Top 100

The time of the application is very important to derive the full benefits. If Costar Top 100 is applied too early, it will absorb water, and hard-wearing aggregate may sink to the bottom. If application of Costar Top 100 is delayed, no moisture from the concrete surface will be available to hydrate Costar Top 100, resulting in poor pitted surface. As a guide, the application should be made between 1 Hour-1.5 Hour or when surface water on concrete is completely evaporated. (When tested with Thumb, it leaves an impression, but concrete does not stick to the Thumb). The application rate is 5 kg/m² of Costar Top 100 Powder.

The application is made in two stages: First 50% of the required material is broadcast evenly and when the surface darkens with the absorption of water, the surface is floated.

Costar Top 100

| CONSUMPTION (Kg/m ²) | INTENDED TRAFFIC USE | AVERAGE WEARS (IS:1237 - 1980) |
|----------------------------------|----------------------|--------------------------------|
| 5.0 | Medium | >2<3.5mm |
| 3.0 | Light | >3.5<4mm |

6. INSPECTION, QUALITY CONTROL

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

7. 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.



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