

## METHOD STATEMENT



# EXPOXY FLOORING APPLICATION

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

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## 1. SCOPE

This method statement describes the step by step procedure for Epoxy floor application.

## 2. DESCRIPTION

This method statement describes the use of Costar Costarflo 500, Costarflo 600 EMS, Costarflo 600SL.

### 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 products, please refer to the following documents of each product component:

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

## 4. PRODUCTS

Epoxy Flooring	Product Description
<p><b>Costarflo 500</b></p> 	<p>COSTAFLO 500 Is two-component solvent free epoxy primer with high mechanical strength developed for use on metal and concrete surfaces.</p>
<p><b>Costarflo 600 SL</b></p> 	<p>COSTAFLO 600 SL is three-component, solvent free epoxy resin based self-leveling floor topping with high mechanical strength developed for use on metal and concrete surfaces. It provides a seamless, tough, chemical resistant and hygienic floor surface.</p>
<p><b>Costarflo 600 EMS</b></p> 	<p>Costarflo 600 EMS Is three-component epoxy based screeding floor coating with high mechanical strength developed for use on metal and concrete surfaces.</p>

## 5. INVESTIGATION

Determine if the substrate is clean, dry and rid of all sort of grease and laitance. Also, determine if the concrete surface has been cured for atleast 28 days. Determine whether substrate requires grinding.

## 6. SURFACE PREPARATION

New concrete surfaces and cementitious plasters must be cured for atleast 28 days. It should be dry, free from loosely adhering particles, laitance and grease. All particles must be vacuumed form the surfaces before application. Sand blasting also must be made if necessary. Old concrete surfaces, cementitious plasters and all other similar surfaces should be dry, free from loosely adhering particles, laitance, grease, paint and should be cleaned with a light sand blasting process if possible or by scraping or brushing.

## 7. APPLICATION METHOD/TOOLS

### 7.1 Priming of substrate with Costarflo 500

- Mix the entire content of each container together
- Stir thoroughly until a homogenous mixture is achieved
- Leave mortar to rest for 3-5 minutes
- Apply the homogeneous mixture using a paint roller or a brush

### 7.2 Epoxy Screeding with Costarflo 600 EMS

- Mix the entire content of Costarflo 600 SC together
- Stir thoroughly until a homogenous mixture is achieved
- Leave mortar to rest for 3-5 minutes
- Apply the homogenous mixture using a paint roller or a brush

NB: Epoxy screed should be done on a primed surface and the screed should be done with coarse and fine aggregate marble sand.

### 7.3 Grinding of Screed top

After the screed has cured well, file the epoxy screed top slightly to clean away any protruding coarse aggregates and then clean the surface very well for self-levelling.

NB: If it rains during the application period, the screed surface should be left to dry very well before commencing self-levelling.

### 7.4 Application of top self-levelling coat, Costarflo 600 EMS

- Mix the entire content of Costarflo 600 EMS together
- Stir together until a uniform slurry is obtained
- Leave mortar to rest for 3-5 minutes
- Apply the homogeneous by pouring on to the substrate and spread with a steel notched trowel to achieve a 2mm to 4mm seamless topping.
- Once the material is evenly spread, continuous spiking with a spiked roller is to be done to remove all entrapped air. Spiking adjacent layers is recommended to be done at 50% overlaps.

## 8. INSPECTION, QUALITY CONTROL

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

## 9. 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.