

## METHOD STATEMENT



# DAMPNESS PROTECTION

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

[www.costarchem.com](http://www.costarchem.com)

## 1. SCOPE

This method statement describes the step by step procedure for protecting walls against dampness.

## 2. DESCRIPTION

This method statement describes dampness repairs and protection of walls against dampness.

### 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

Waterproofing admixture for screeding	Product Description
<p><b>Hydropruf WP 300</b></p> 	<p>Krystal Plug is 1-component, cementitious non-shrink, hydraulic cement-based on crystalline waterproofing technology. It withstands strong hydrostatic pressure, is breathable, has no odour, no fume &amp; is nonflammable. Krystal Plug ensures permanent impermeability of concrete.</p>



Treatment	Product Description
<p><b>Costar Dampmaster 20</b></p> 	<p>Costar Dampmaster 20 is water based injection silane which when injected into the mortar course, it diffuses within the damp wall to form a Damp Proof Course (DPC), will allow the wall to dry and block future rising damp.</p>
<p><b>Costar 2k</b></p> 	<p>Costar 2k is a two-component waterproofing membrane with tough-elastic properties suitable for both positive and negative side waterproofing of interior and exterior concrete and masonry surfaces.</p>
<p><b>Costar Wall Putty</b></p> 	<p>Costar wall putty is specially developed as a base coat to provide smooth finish on plastered surface, and hence ideal for paint application because paint saving can be up to 50%. It contains finest quality minerals, polymers, white cement and pigments. It particularly offers protective against wind rain when used for external application.</p>

## 5. INVESTIGATION

Proper investigation should be carried out to find out concrete, plaster or block substrates are sound and of minimum pull off strength of 1.5N/mm<sup>2</sup>.

## 6. APPLICATION METHOD/TOOLS

### 6.1 SUBSTRATE PREPARATION

- Remove paint and plaster.
- Redress the surface after removal of paint and plaster.

### 6.2 Application of Costar 2k (Flexible Cementitious Waterproofing Coating)

- Mix Part A with Part B of Costar 2K with a mechanical mixer.
- Apply Costar 2k with a roller, spraying equipment or serrated trowel on the concrete surface.
- Apply the second coat in the opposite direction immediately after the first coat.

### 6.3 Application of Screed with Hydropruf 300

- Mix Hydropruf 300 with mortar at 250ml to 500 ml per 50kg bag of cement. ( See method statement for detailed application procedure)
- Screed on the wall and allow to set.

### 6.4 Application of Costar Wall Putty (Used on walls where there was POP)

- Mix Costar Wall Putty with measured water depending on the desired thickness.
- Apply Costar Wall Putty in a uniform layer on the substrate with an iron trowel.
- After drying, polish the surface with an abrasive paper.
- Use prepared mass within approx. 40 - 60 minutes since its preparation.

## ALTERNATIVE TREATMENT

### 6.5 SUBSTRATE PREPARATION

Where required, remove skirting boards and/or render/plaster to identify and expose the original masonry and the appropriate mortar course to be treated. Measure the thickness of each wall to be treated. Set the depth gauge of the drill or apply tape to the drill bit in order to identify the correct drilling depth.

### 6.6 Application of Costar Dampmaster 20/10

- Insert the delivery tube of the application gun into the full depth of the pre-drilled hole.
- Squeeze the gun trigger and back fill each hole fully with Costar Dampmaster 20/10 within 1 cm of the surface.
- When treating cavity walls from one side, fill the holes completely in each side wall.
- Plug or fill and point over all drilled holes using appropriate Costar mortars.
- Simply brush off white surface stains when dry.

### 6.7 Application of Costar 2k (Flexible Cementitious Waterproofing Coating)

- Scrape off existing paint on wall.
- Mix Part A with Part B of Costar 2K with a mechanical mixer.
- Apply Costar 2k with a roller, spraying equipment or serrated trowel on the concrete surface.
- Apply the second coat in the opposite direction immediately after the first coat.

### 6.8 Application of Costar Wall Putty ( Used on walls where there was POP)

- Mix Costar Wall Putty with measured water depending on the desired thickness.
- Apply Costar Wall Putty in a uniform layer on the substrate with an iron trowel.
- After drying, polish the surface with an abrasive paper.
- Use prepared mass within approx. 40 - 60 minutes since its preparation.

## 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.



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