METHOD STATEMENT

COSTAR
BUILDING PRODUCT SYSTEM

CONSEAL 250

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 using CONSEAL 250.

2. DESCRIPTION

This method statement describes the waterproofing of roofs, balconies, terraces and floors for a water tight concrete with CONSEAL 250.

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 polyurethane waterproofing membranes, please refer to the following documents of each product component:

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

4. PRODUCTS

	Polyurethane waterproofing membrane	Product Description
	Conseal 250 	CONSEAL 250 is a revolutionary single component permanently elastic Polyurethane waterproong membrane which after polymerization forms an elastomeric polyurethae membrane, resisting UV rays and capable of handling building movements. Once cured CONSEAL 250 allows for expansion and contraction over a broad temperature range and maintains waterproong properties under continuous exposure to water. It may be applied easily on different surfaces (concrete, mortar, brick, ceramics, bituminous membranes, steel, zinc, Aluminum).

5. SUBSTRATE PREPARATION

Adequate and detailed surface preparation is essential for durability of product after installation.

5.1 Conseal 250

- Before application surface must be clean, dry and without contamination.
- The compressive strength of substrate must be at least 25MPa and cohesive bond strength must not be less than 1.5MPa.
- All loose concrete, chirpings and dust should be removed, and uneven surface smoothened with the aid of grinding.
- Priming: Prime absorbed surface like concrete, cement screed or wood with Costar Primer. Allow the primer to cure according to its technical instruction.

6. APPLICATION METHOD/TOOLS

- Stir well before using.
- Pour CONSEAL 250 unto the primed surface and lay it out by roller or brush until all surfaces are covered.
- Reinforce joints with geotextile fiber.
- Apply another layer or the CONSEAL 250 not later than 48 hours.
- Coverage: 1.4-2.5Kg/m2 applied in two to three layers. This coverage is based on application by roller onto a smooth surface in optimum conditions. Factors like surface porosity, temperature and application method can alter consumption.

5. INVESTIGATION

Property	Test Method	Result
Hardness (Shore A Scale)	ASTM D 2240	60 shore a scale
Elongation at Break	ASTM D 412/DIN 52455	=%100
Tensile Strength	ASTM D 412/DIN 52455	=8 N/mm^2
Water Vapor Permeability	ASTM E 96	>25gr/m^2/day
Adhesion to Concrete	ASTM D 903	2N/mm^2
Service Temperature		-40^{0}C to +80^{0}C
Rain Stability Time		4 hours
Final Curing Time		7 days

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.