

METHOD STATEMENT

AQUALATEX C10



COSTAR
BUILDING PRODUCT SYSTEM

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 AQUALATEX C10.

2. DESCRIPTION

This method statement describes the repair of concrete with AQUALATEX C10.

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

Bonding Agent	Product Description
<p>AQUALATEX C10</p> 	<p>Aqualatex C10 is a high quality viscous acrylic emulsion bonding agent used for concrete repairs, especially areas where good adhesion are required. When mixed with a cement/sand or gravel combination, Aqualatex C10 becomes an effective patching and topping mortar. It is also designed for use as a polymer modifier in mortars and concretes to increased tensile, flexural and bond strengths, magnitude resistance to water and hydrolysis.</p>

5. SUBSTRATE PREPARATION

Adequate and detailed surface preparation is essential for effective bonding.

5.1 Aqualatex C10

- All surfaces must be free from oil, grease, sealers, dust, paint, form release and curing compounds to ensure satisfactory bonding.
- Sand, strip and clean glossy and painted surfaces of all contaminants.
- Free concrete surfaces of efflorescence for accepting of water penetration in order to form a good bond.
- Test by sprinkling water on the substrate; water beading indicates the presence of contaminants which could cause loss of adhesion.
- Roughen smooth concrete surfaces prior to installation.
- Saturate surface to a saturated surface dry condition.

6. APPLICATION METHOD/TOOLS

6.1 Used as Cement Modifier

- Thoroughly premix the sand/aggregate or gravel with the cement.
- Use only clean, dampened containers and clean, dry cement for the mix.
- Mix 1 liter of Aqualatex C10 with 5Kg cement and 15Kg graded quartz sand.
- Blend Aqualatex C10 into the mix, stirring slowly.

6.2 Used as a Bonding Agent

- Mix 0.5 Part Cement with 1 Part Aqualatex C10 by Weight to form a paste.
- Scrub Aqualatex C10 and cement mix into the substrate.
- Apply repair mortar/topping whilst the primer is still tacky.

7. TECHNICAL PROPERTIES

Composition and materials		100% polymer in a water dispersion
Solids by weight (%)		28%
Set time		4 to 6 hours with typical sand/cement mix
Average dry time (70 0C)	Normal use Heavy traffic	24 to 48 hours 4 days
Viscosity		Slightly thicker than water
Pot life		1-2 hours
VOC Content		<350g/l
A.I.M Category		Primers and undercoaters Maximum VOC 350g/l
Applicable Standards		ASTM C1059, Type ii; nonredispersible -ASTM C190 -ASTM 109 -ASTM 348 -ASTM 321

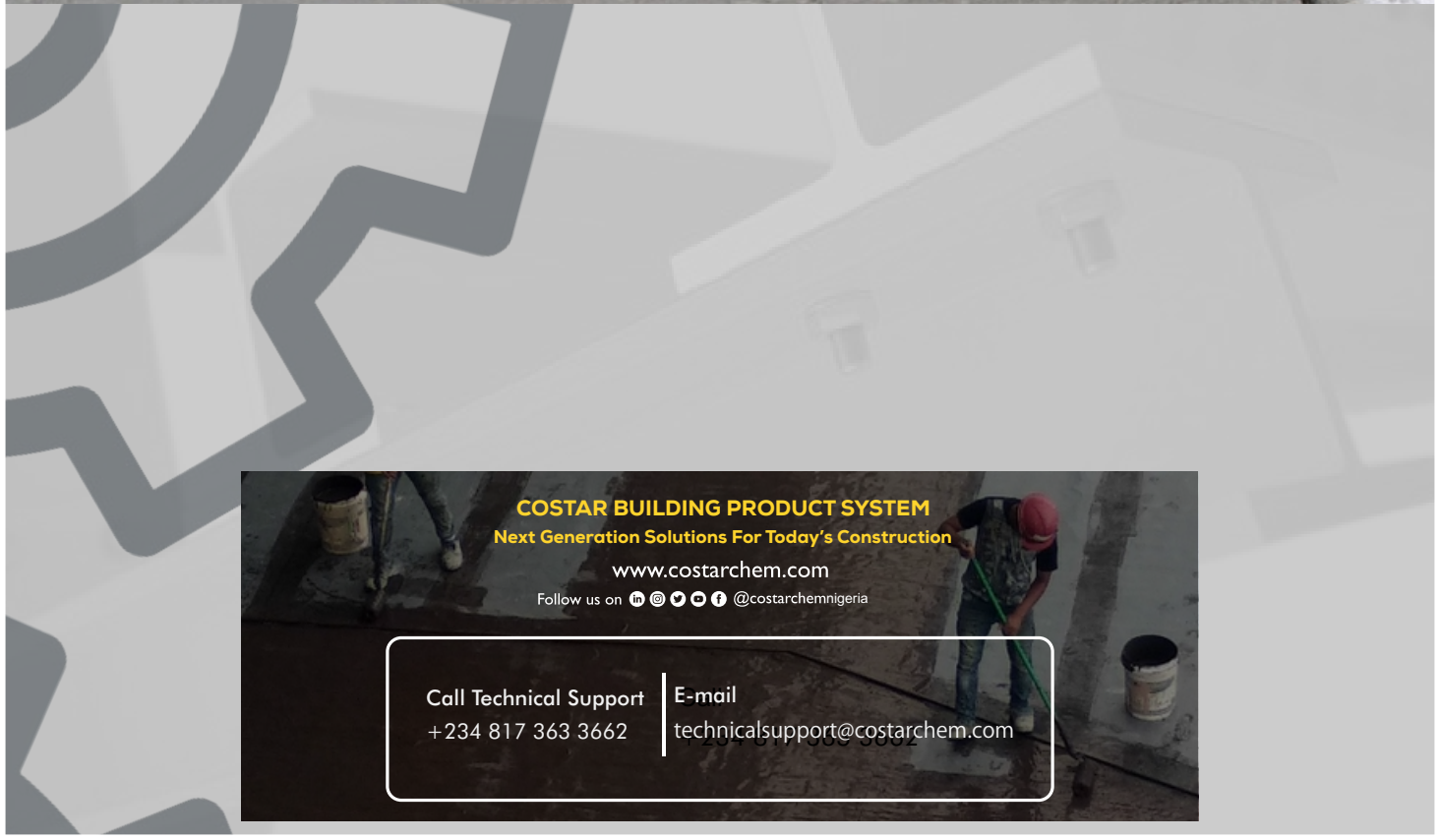
STRENGTH	WATER	AQUALATEX C10
Tensile	235 psi	645 psi
Compressive	2390 psi	5715 psi
Flexible	610 psi	1585 psi
Impact	6 psi	16 psi
Abrasion Resistant	23.80%	1.15%

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.



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