COSTAR
BUILDING PRODUCT SYSTEM

SUPERLATEX
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 using Superlatex.

2. DESCRIPTION

This method statement describes the repair of concrete with SUPERLATEX.

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

Products	Product Description
SUPERLATEX 	Superlatex is a high range quality acrylic emulsion bonding agent which can be used in concrete repair and to enhance adhesion. It can be used as a polymer binder modifier in mortars and concrete mix thus improving its resistance to water, and improved tensile, flexural and bond strength.

5. SURFACE PREPARATION

Surfaces should be cleaned ensuring removal of oil, grease, dust, paint, sealers and curing compounds. Glossy and painted surfaces must be sanded, stripped, and cleaned off all contaminants. Substrate must be non-water absorbent to ensure proper bonding. Substrate can be tested by sprinkling water; beading of water indicates the presence of contaminants which could result in unsatisfactory adhesion. Smooth concrete surfaces should be roughened before application and substrate should be in a saturated surface dry condition.

5.1 Mixing: Use only clean, dampened containers and dry cement for the mix. Thoroughly premix the Sand/aggregate or gravel with the cement. Stirring slowly, blend superlatex into the mix.

As Bonding Agent

0.5 part cement: 1 part superlatex (by Weight)

6.1 Used as Cement Modifier

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

6.2 Used as a Bonding Agent

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

6.3 Technical properties

Composition and Materials		100% Acrylic polymers in a water dispersion
Solid by weight (%)		28%
Set Time		4 – 6 hours with typical sand and cement mix.
Average Dry Time (70 ^{0}F):	Normal Use	24 – 48 hours
	Heavy Traffic	4 days
Viscosity		Slightly thicker than water
Pot life		1-2 hours
VOC Content		<350 g/l
A.I.M Category		Primers and under coaters maximum VOC <350 g/l
Applicable Standards		-ASTM C1059, Type II, Non - Redispers ible -ASTM C190 -ASTM 109 -ASTM 348 -ASTM 321
STRENGT H	WATER	SUPERLATEX
Tensile	235 psi	645 psi
Compressive	2390 psi	5715 psi
Flexural	610 psi	1585 psi
Impact	6 psi	16 psi
Abrasion Resistanc e	23.80%	1.15%

* % weight loss; lower value = higher resistance

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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