

POLY LATEX S

Cementations System Polymer Modifier And Bonding Agent

Product Description

POLY LATEX S is a butadiene styrene copolymer latex admixture that is designed as an integral non-reemulsifiable adhesive for cementations mortars & concrete, to improve their waterproofing and chemical resistance.

Typical Application

- Concrete repair.
- Waterproof renders and slurry.
- Concrete cementitious floor leveling.
- Bonding of slip bricks and tiles.
- Bonding plaster to steel surfaces & fair face concrete.
- Bonding new to old concrete.

Product Features

- Adhesion: improves bond strength to concrete, stonework, plaster & block work.
- Waterproof: improves durability & waterproofing properties of concrete & plaster.
- Flexibility: reduces cracking by increasing cementitious mortar flexibility.
- Strength: highly improves compressive strength of cementitious mortar & Concrete.
- Non toxic: can be used in contact with potable water.

Standards

POLY LATEX S complies with ASTM C 1059 - 86 for Bonding Fresh to Hardened Concrete.

Properties

Physical Properties

Form Liquid.

Color

Milky White.

Specific Gravity

1.01

Toxicity

Non toxic.

Mechanical Properties

The addition of POLY LATEX S to cementations mortar, improves its mechanical properties.

For a control mix of 3: 1 Sand: Cement, the following improvements were achieved when adding 10 lit POLY LATEX S per 50kg. cement.

Compressive Strength N/mm²

Control mix: 26.00

POLY LATEX S mix: 38.00

Tensile Strength N/mm²

Control mix: 3.00

POLY LATEX S mix: 5.00

Flexural Strength N/mm²

Control mix: 6.50

POLY LATEX S mix: 11.00

Adhesion N/mm²

Control mix: 3.00

POLY LATEX S mix: 23.00

Shrinkage %

Control mix: 7 %

POLY LATEX S mix: 2 %

Chemical Properties

The addition of POLY LATEX S to cementations mortar reduces permeability dramatically and increases mortar resistance to aggressive environments.

Guide For Application

Preparation

Prepare a good clean structural surface for bonding by removing all loose materials, old mortars & laitance.

Traces of oil, grease & curing compounds should be removed by chipping out the affected area of concrete. Finally sweep or blow off the surface to remove dust which could cause de bonding.

Priming

Areas should be pre- wetted but free standing water should be removed.

Apply a slurry coat of **POLY LATEX S** to the prepared area.

Mixing

Mix dry ingredients with the required amount of water before adding **POLY LATEX S**, as shown in Table A.

Placing

Place **POLY LATEX S** cementations mortar / concrete while primer is still wet.

Do not hard trowel or over finish;

Easily float the surface to reach a final finish.

Curing

We recommend the use of **POLY CURE RB I** for curing.

Cleaning

Tools should be cleaned immediately with water after use.

Packaging

POLY LATEX S is supplied in 20 lit. Pails and 220 lit. Drums.

Storage

POLY LATEX S should be stored in shaded areas.

Shelf Live

One year when stored as recommended.

Health and safety

POLY LATEX S is non flammable.

- Any splashes on skin should be washed with water.
- Seek medical assistance in case of contact with eyes, after washing it with plenty of water.

Guarantee / Warranty

We warrant our products to be of good quality and manufactured to rigid standards. This warranty is in lieu of any and all other warranties expressed or implied.

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Technical Services

For any further technical advice and recommendation for the use of all **POLYCOO** products, please consult the nearest **POLYCOO** technical office.



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Polycoo Industries Ltd.

Sole distributor in Egypt: Polycoo Company

www.polycoo.com

5 Kamel Sedki Street, Ramsis Square, Cairo, Egypt