

## EAMILATEX LA

### Cementitious System , Polymer Modifier and Bonding Agent

#### Product Description

EAMILATEX LA is a carboxylate butadiene styrene copolymer latex admixture that is designed as an integral non re- emulsifiable adhesive for cementitious mortars & concrete, to improve their waterproofing and chemical resistance

#### Typical Applications

- Concrete repair.
- Waterproof mortar and slurry.
- Concrete cementitious floor levelling.
- 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, stone work, plaster & blockwork.
- 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

EAMILATEX LA complies with ASTM C 1059 - 86 for Fresh bonding to Hardened Concrete.

#### Guide for Application

##### Surface 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 from standing water. Apply a slurrycoat of EAMILATEX LA to the prepared area.

##### Mixing

Mix dryingredients with the required amount of water before adding EAMILATEX LA, as shown in Table A.

## Technical Properties

#### Physical Properties

Form

Liquid

Appearance

Milky White

Specific Gravity

1.01

Toxicity

Non toxic

#### Mechanical Properties

The addition of EAMILATEX LA to cementitious mortar, improves its mechanical properties. For a control mix of 3:1 Sand: Cement, the following improvements were achieved when adding 10 lit EAMILATEX LA per 50kg. Cement.

Compressive Strength N/mm<sup>2</sup>

Control mix	26.00	EAMILATEX LA mix	: 32.00
-------------	-------	------------------	---------

Tensile Strength N/mm<sup>2</sup>

Control mix	3.0	EAMILATEX LA mix	: 4.00
-------------	-----	------------------	--------

Flexural Strength N/mm<sup>2</sup>

Control mix	6.50	EAMILATEX LA mix	: 9.00
-------------	------	------------------	--------

Adhesion N/mm<sup>2</sup>

Control mix	0.5	EAMILATEX LA mix	: 2.00
-------------	-----	------------------	--------

#### Chemical Properties

The addition of EAMILATEX LA to cementitious mortar, reduces permeability dramatically and increases mortar resistance to aggressive environments.

# EAMILATEX LA

Table A

Materials - Mix Type	Cement Kg	Sand Zone 2 Kg	Aggregate Kg	Water Lt	EAMILATEX LA Lt	Yield approx. m <sup>3</sup>
Cement Slurry	25	--	--	--	15	--
Cementitious Repair Mortar	50	150	--	15	10	0.10
Plaster	50	150	--	15	6	0.10
Floor Screed	50	75	75	15	8	0.10
Bricks -- Tiles Mortar	50	125	--	15	10	0.09

## Placing

Place EAMILATEX LA cementitious 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 EAMICURE P for curing

## Cleaning

Tools should be cleaned immediately with water after use

## Packaging

EAMILATEX LA is supplied in 5 lit, 25 lit. pails and 210 lit. drums.

## Warranty

We warrant our products to be of good quality & manufactured to rigid standards. This Warranty is in lieu of any & all other warranties expressed or implied. This data sheet is published for information only. It is believed to be correct but no liability is accepted for it or the suitability of the product for any particular purpose. EAMIC TRETOL services are free & the company does not accept liability for any loss arising from it. Max liability is limited to substituting the same quality of material .

## Yield

As shown in Table A

## Storage

EAMILATEX LA should be stored in shaded areas.

## Shelf Life

One year when stored in its original unopened package.

## Health and Safety

- EAMILATEX LA 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

# EAMIC TRETOL

Leaders in Construction Chemical Technology

Edition 01.2019