



# MIXSEAL LATEX

BONDING AGENT AND WATERPROOFING ADMIXTURE

Update: 04/2023

## Product description

**MIXSEAL Latex** is a modified styrene Butadiene emulsion that is added to cement mortars to enhance bonding properties. It also enhances waterproofing property, abrasion and improves compression strength.

## Use

- Bond coat and primer for topping;
- Increase impermeability and chemical resistance;
- Keying coat over smooth surfaces to apply renders;
- Increases bonding strength of cement and dry-mix to set tiles, slates and natural stones;
- Bonding layer for mortar, other floor coatings in wastes water factory, the sanitary sewer.

## Feature

- Excellent water resistance and reduces efflorescence;
- Enhance mortar flexibility and reduce shrinkage and crack formation;
- Enhance mortar adhesion, compressive strength, chemical resistance, abrasion resistance
- Non-toxic, approved for potable water applications.

## Technical Data

Specifications	Standard	Value
<b>Density</b>		1 kg / liter
<b>Pull Out Adhesion Strength (28 day):</b>		
✓ Bonding Slurry	TCVN 9349	0.9 N/mm <sup>2</sup>
✓ Splatter Key	TCVN 9349	1.0 N/mm <sup>2</sup>
✓ Diluted 50% with cement, fine Sand (Type C1)	TCVN 7899-2	0.6 N/mm <sup>2</sup>
✓ Diluted 50% with Tile grout C1	TCVN 7899-2	1.3 N/mm <sup>2</sup>
<b>Open Time/Pot life:</b>		
✓ Diluted 50% with cement, fine Sand (Type C1)		40/80 min
✓ Diluted 50% with Tile grout C1		30/60 min

## Package

- Package: Plastic container 5 lit or 25 lit

## Preparation

- Concrete surfaces shall be clean, sound and free from contaminants, laitance and loose particles.
- Absorbent substrates must be saturated thoroughly leaving no standing water before application.

## Dose and application

### Mixing

#### ❖ Bonding Slurry

- Mixseal Latex : 5 Liter
- Clean Water : 5 Liter
- Cement : 25 Kg

#### ❖ Splatter Key

- Mixseal Latex : 1 Liter
- Cement : 2.5 Kg
- Plaster Sand : 2.5 Kg

#### ❖ Renders & Bedding

##### - Light Duty and Dry Condition

- Cement : Sand (1:3)
- Mixseal Latex : Water (1:3)

##### - Heavy Duty and Wet Condition

- Cement : Sand (1:3)
- Mixseal Latex : Water (1:1)

#### ❖ Tile grout

##### - Class C1

- Cement : Fine Sand (1:1)
- Mixseal Latex : Water (1:1)

##### - Class C2

- Tile grout C1 : 25 kg
- Mixseal Latex : 2.75 Liter
- Clean Water : 2.75 Liter

### Application

- Mix to a creamy consistency and brush into the surface to obtain a 1mm thick coat. Apply topping while slurry is still wet.
- Coverage : *Approximately 5 m<sup>2</sup>/liter @1mm thick*
- Mix to a creamy consistency and trowel a thin layer onto the smooth concrete surface. With a stiff brush, dip and dab more material onto the skim layer to create rough keys.
- Coverage: *Approximately 4m<sup>2</sup>/liter depending on key density.*
- Mix Mixseal Latex with water before adding into cement sand, mixture until the desired consistency is achieved. Apply over wet slurry bond coat. Wall renders shall not exceed 10mm per layer. Scratch the render and allow to dry for 6 hours before applying the next coat.
- Coverage: *Approximately 0.5 Liter/m<sup>2</sup>/cm (light duty)*  
*Approximately 1.0 Liter/m<sup>2</sup>/cm (heavy duty)*
- Premix Mixseal Latex with water before adding into cement fine sand, mixture or tile grout C1 until a creamy consistency is achieved. Spread a thin uniform layer onto the substrate and apply additional mortar with a notch trowel to achieve the desired tooth thickness. Back butter ribbed backed or large format tiles before placing it with a firm pressure to ensure good contact.
- Coverage: *Approximately 0.25 Liter/m<sup>2</sup> using 6\*6mm notch trowel.*

## Healthy and safety

- Non-toxic;
- Avoid direct contact with skin, wear suitable labor protections when using;
- In case of contact with eyes, rinse immediately with plenty of water and seek medical help.

## Storage and self-life

- Storage: in a cool, airy and dry location;
- Self-life: 12 moth when unopened, undamaged original packaging



**Note:** Mixseal warrants that the products manufactured by it shall be free from material defects and will conform to formulation standards and contain all components in their proper proportion. Should any of the products be proven defective, the liability to Mixseal shall be limited to replacement of the material proven to be defective, and Mixseal shall in no case be liable otherwise or for incidental or consequential damages. Mixseal makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties expressed or implied. User shall determine the suitability of the product for its intended use and assume all risks and liability in connection therewith..