

HYPERLATEX

Bonding admixture for concrete - mortars

DESCRIPTION

HYPERLATEX is acrylate polymer emulsion, which is added to mortars and concretes to improve bond, strength and chemical resistance. It improves the quality of mortars and concretes by increasing bond resistance, reducing shrinkage, giving high elasticity and friction resistance. It is not toxic and it can be diluted with water.

RECOMMENDED FOR

- As a bonding agent for concrete floors and walls.
- For reconstruction work and latex modified overlays.
- To increase adhesion of old with new concrete.
- To repair mortars and concretes.
- To produce waterproof glues for ceramic tiles, etc.

FEATURES & BENEFITS

- Improves bond strength to hardened concrete.
- Increases impermeability or water tightness.
- Reduces shrinkage.
- Increases mortar elasticity.
- Provides friction resistance.
- Increases adhesion strength to most substrates.

APPLICATION

Methods of application vary depending upon the type of mortar mix and its purpose.

MIXING:

Mix concrete with sand, add **HYPERLATEX** and continue mixing for a minimum of 2-3 minutes. Then add water in small dosage.

ATTENTION: HYPERLATEX provides concrete with fluidity and plasticity, so the quantity of water must be reduced to compensate with the addition of **HYPERLATEX**.

PLACING:

Bonding agent for concrete

Areas to be patched should be pre-wetted 12-24 hours before application, in order to reduce the moisture loss, while free standing water should be removed. After the surface has been prepared, prime all areas with a slurry coat consisting of:

1 part cement

1 part sand

1 part **HYPERLATEX**

and water at the desired ratio. This application must be done while the bonding slurry is still wet. The consumption must be 2mm per coat.

Plaster

Prime the concrete, bricks or YTONG with a rough brush and a slurry coat consisted of 2 parts cement and 1 part **HYPERLATEX**. After that, prepare the main slurry using 1 part of mortar, 3 parts of sand and **HYPERLATEX** 5-10% by volume.

IMPORTANT INFORMATION

For better results:

- Keep the surface wet
- Reduce the quantity of water which is added to mortars
- Wet mortars during the period of the cement hydration
- Use well-graded, clean, washed sand.

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CONSUMPTION

2-5 kg per 50 kg of cement, which is 4-10% by volume of cement.

For mortars, add 1 kg **HYPERLATEX** into cement mixer.

For tiles glue, add 2 parts of water with 1 part of **HYPERLATEX**.

PACKING

1 kg, 4 kg, 20 kg, 200 kg drums.

SHELF LIFE

HYPERLATEX can be kept for minimum 12 months in the original unopened pails at a temperature of 5 °C - 25 °C in dry places.

TECHNICAL SPECIFICATIONS

PROPERTY	SPECIFICATION
Appearance	Liquid at off-white colour
Chemical structure	Acrylate polymer dispersion in water
Direction of ionization	Anionic
Specific weight	1.0-1.1 kg/lit
High resistance to alkalis (mortars)	

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