



FitBond Latex

Latex Modified Bonding Agent

DESCRIPTION **FitBond Latex** is a milky white, latex polymer, based on styrene butadiene rubber that is designed to improve the physical properties and integrity of cementitious mortars, screeds or renders and also acts as a bonding agent / sealer to plaster or other porous substrates.

STANDARDS ASTM C1059 Type II

USES **FitBond Latex** is used in cementitious mortars, plasters, concrete, thin layer patch mortars etc. to improve waterproofing, wear resistance, durability and bonding properties.

- ADVANTAGES**
- Excellent adhesion to concrete, mortar and plaster
 - Improved flexural and tensile properties allow for thin applications
 - Improves cohesion and workability
 - Reduces shrinkage
 - Improves corrosion protection and durability
 - Improves mortar resistance to oil, grease and mild acids
 - Non-toxic
 - Single component easily gauged

TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE
Component	-	Single
Form	-	Liquid
Colour	-	Milky White
Specific Gravity	ASTM D1475	1.02 kg/ltr +/- 0.05
Compressive Strength	BS 6319-2	10-15% increase over control
Flexural Strength	BS 6319-3	5-10% increase over control
Tensile Strength	BS 6319-7	5-10% increase over control
Pull out Strength	ASTM D 4541	> 1 N/mm ²
Slant Shear Bond Strength	ASTM C1042	> 8.6 N/mm ²

SURFACE PREPARATION The surface must be clean, sound, free from laitance, oil, grease, curing membranes, dust and other loose materials. All surfaces to be treated should be thoroughly washed with high pressure water jetting. All perimeter edges must be saw cut to ensure a minimum depth of repair mortar and to avoid feather edges. Expose fully all corroded steel in the areas to be repaired. The surface should be thoroughly soaked with clean water and any excess water should be removed prior to application of repair mortar or **FitBond Latex**.



FitBond Latex

MIXING

As a Bonding Slurry Coat: As per recommended dosage, add **FitBond Latex** to pre-measured quantity of water in a suitable container and stir well. Add cement slowly and mix well using a slow speed drill machine fitted with a paddle.

As an Additive: Manual mixing is not recommended. Preferably a forced action mixer or low speed drill fitted with a paddle should be used. Weigh the cement and sand where required, into the mixer and dry blend together for one minute. Add the pre-mixed **FitBond Latex** and clean water. Continue mixing for 3 minutes to ensure complete dispersal into the sand-cement mix. Make any small adjustment to the quantity of clean water but do not significantly exceed the dosage shown below. Mix until homogenous material is obtained.

GENERAL GUIDELINES

Repair Mortars – Mix Proportions

Thickness 6-40 mm

10 ltr of **FitBond Latex**

8-12 ltrs of clean water (as per the required consistency)

50 kgs of Ordinary Portland Cement

150 kgs of sand

Floor Screeds – Mix Proportions

Thickness : 30 mm- 70 mm

10 ltrs of **FitBond Latex**

6-10 ltrs of clean water

50 kgs of Ordinary Portland Cement

100 kgs of fine aggregate

The screed should be of earth moist consistency

Renderers – Mix Proportions

Thickness : 6 mm- 15 mm

10 ltrs of **FitBond Latex**

6-10 ltrs of clean water

50 kgs of Ordinary Portland Cement

100 kgs of fine sand

The render should be cohesive and of earth moist consistency

APPLICATION

As a Neat Bonding Agent: Stir the **FitBond Latex** well and apply using brush, roller or spray on the prepared surface. Ensure that the material is spread evenly on the entire surface. Subsequent material to be bonded should be placed while **FitBond Latex** is still tacky.

As a Bonding Slurry Coat: Apply slurry bonding coat made up of **FitBond Latex**, water and cement in the ratio of 1:1:1 by weight using brush or roller.

As an Additive: **FitBond Latex** modified mortars, toppings and renderers must be well compacted on the prepared substrate by trowel. Exposed steel reinforcement should be completely encapsulated by mortar. **FitBond Latex** modified mortars can be applied at a thickness of 6 mm to 40 mm. Where thick sections in excess of 40 mm are to be built-up, the surface of the intermediate layers should be keyed and primed.



FitBond Latex

CURING All cementitious mortars, renders, screeds, repair materials modified with **FitBond Latex** should be cured with mist water spray or moist curing by spreading wet hessian cloth or use of appropriate curing compound from **JetCure** range.

PACK SIZE 5 ltr, 20 ltr and 200 ltr

COVERAGE As a neat bonding agent : 5-7 m²/ltr/coat. Actual coverage depends on texture and porosity of substrate.
As an additive for tile and adhesives, bedding mortars, sand-cement renders, plasters and screeds, the dosage may vary from 10-20% by weight of cement.

GENERAL INFORMATION

Shelf Life	12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life.
Cleaning	Clean all equipment and tools with water immediately after use. Hardened material can be removed mechanically.

HEALTH and SAFETY

PPE's	Gloves, goggles and suitable mask must be worn.
Precautions	Contact with skin, eyes etc. must be avoided. If swallowed seek medical attention immediately.
Hazard	Regarded as non-hazardous for transportation.
Disposal	Do not reuse containers. To be disposed off as per local rules and regulations.
Additional Information	Refer MSDS. (Available on request)

TECHNICAL SERVICE **CONMIX Technical Services** are available on request for onsite support to assist in the correct use of its products.

Manufacturer:

CONMIX LTD.

P.O. Box 5936, Sharjah

United Arab Emirates

Tel: +971 6 5314155

Fax: +971 6 5314332

Email: conmix@conmix.com

Sales Office:

Tel: +971 6 5682422

Fax: +971 6 5681442

www.conmix.com



It is the customer's responsibility to satisfy themselves by checking with the company whether information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current data sheets. However, Conmix does not warrant or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendations relating to application and end use are given in good faith. The products are guaranteed against any manufacturing defects and are sold subject to Conmix standard terms and conditions of sale.