

LATEX BOND-100

Latex Polymer Additive for Cement Mortars

DESCRIPTION:

• Latex Bond-100 is a synthetic liquid emulsion with a specially modified polyvinyl acetate copolymer which formulated for use in buildings as general purpose adhesive, additives to cement mortar and plasters.

FIELDS OF APPLICATION

- Latex Bond-100 used as a sealer coat to porous concrete and granolithic floors.
- Latex Bond-100 used as a bonding admixture for mortar or concrete mix.
- It can also be used as a surface bonding primer between old and new concrete, as a dust proofer and for concrete repairing
- As an additive in mortars for tiling over concrete, render, block work and rendered brickwork surfaces.
- Sealer coat prior to painting with water based paints.

FEATURES AND BENEFITS:

- Low odor and toxicity
- Gives the flexibility to apply finish even after drying
- Wide variety of application methods
- Premixed with no additives required; cleans up with water.
- Brush, Roller or Spray Application
- Cost Effective
- Easy to Use

SURFACE PREPARATION:

- All surfaces should be structurally sound, dry, clean, free from dust, grease, oil, wax, curing compounds and any other loose contaminating materials.
- Ensure all release agents are removed from surface of concrete, especially tilt-up slabs.
- Painted surfaces should be scabbled to expose at least 80% of the original surface.

MIXING & APPLICATION:

- Shake or mix Latex Bond-100 thoroughly, immediately prior to use.
- As a primer :
 - Make sure the surface is saturated by water
 - Apply the undiluted Latex Bond-100 by brush or roller on surface.
 - Leave for about 5 - 10 minute to form tacky (sticky) surface.
 - Mix 1 part cement with 2 part of sand.
 - Add cement/sand mixture to 50% diluted Latex Bond-100 by water and mix mechanically by low RPM drill until smooth mortar paste is obtained.
 - Apply the screed mortar to the required thickness, while surface is sticky. Strongly float the screed while still wet and level the surface.
- As an admixture for dry mix mortar (plasters, render, tile adhesives and grouts)
 - Mix 1 volume of Latex Bond-100 with 1 volume of water. Use this solution in mixing the mortar to the required workability.

Coverage

- If Latex Bond-100 is used as a primer, coverage is 6-8 m² / liter.
- If Latex Bond-100 is used as an admixture for traditional cement plaster, screed and mortars the added quantity is about 15-20 liter of Latex Bond-100 for 50 kg cement.
- the recommended dosage of Latex Bond-100 as an additive for dry mix mortar (tile adhesive, grout, plaster and renders) is 5 lit of Latex Bond-100 for 100 kg of dry mix mortar.



LATEX BOND-100

| TECHNICAL DATA | | |
|--|---------------------------|-----------------------|
| Appearance | Milky white liquid | |
| Density @ 25 °c | 1±0.02 gm/cm ³ | |
| Viscosity @ 25 °c | 500 ±50 cp | |
| PH @ 25 °c | 9-10 | |
| VOC wt% | Less than 0.5% | |
| Cement compatibility | good | |
| Polymer type | polyvinyl acetate | |
| Property | Typical Results | |
| | control | Mortar additive |
| Cement | 50 kg | 50 kg |
| Sand | 150 kg | 150 kg |
| Latex Bond -100 | 0 | 25 lit |
| Water | 25 lit | 0 |
| Compressive Strength (ASTM C109) @ 28 days | 28 N/mm ² | 34 N/mm ² |
| Tensile Strength (ASTM C190) @ 28 days | 2.6N/mm ² | 3.3 N/mm ² |
| Flexural strength (ASTM C-348) @ 28 days | 5.3 N/mm ² | 7.2N/mm ² |

CLEAN UP INSTRUCTIONS:

- All tools should be cleaned immediately after use because hardened Latex Bond-100 modified cement compositions have excellent adhesion and are therefore difficult to remove.

PACKAGING:

- 4 liter plastic gallon
- 20 liter plastic Jerry Can
- 200 liter drum

SHELF LIFE / STORAGE:

- **Storage:** must be stored in a cool, dry elevated place and protected from high humidity.
- **Shelf Life:** Up to 12 months in unopened containers, if stored as specified above.

ENVIRONMENTAL & SAFETY PRECAUTIONS:

- Latex Bond-100 is nonhazardous and nontoxic .
- Care should be taken when handling, that applicators wear PVC or similar gloves and safety goggles.
- For a full MSDS on this product, contact to MBC.