

Multipurpose Admixture and Bonding Agent for Cementitious Systems

DESCRIPTION AND USES

- **BOND LATEX** is milky white liquid based on select grades of high quality styrene butadiene co-polymer. Designed to use with Portland cement to increase water resistance and bonding properties. It is also compatible with sulphate-resisting cement, Types I and V. Environmentally friendly product.
- **Product Benefits:**
- Nontoxic, can be used with potable water.
- Improves durability and toughness of concrete.
- Helps to reduce shrinkages, improves hardening, flexibility and resists.
- some of the chemicals and mineral oils.

PRODUCT PROPERTIES

Color/Appearance	Milky white emulsion
Solid Content by wt%	25 ± 2
Density	1.01 ± 0.02 KG/Lt
Viscosity at 25°C	50 – 55 KU

INSTRUCTIONS FOR USE

- In case of Bonding slurry:

1. Bonding Slurry:

- Wet down absorbent surfaces, such as concrete, brick, stone, etc., ensuring that they are saturated but free of surface water. Prepare a bonding slurry of 2 parts of cement to 1 part of **BOND LATEX**, mixed to a lump-free creamy consistency. Using a stiff brush, work the bonding slurry well into the damp surface, ensuring that no pin holes are visible. Don't apply bonding slurry at thickness in excess of 2 mm. If a second coat is necessary. It must be applied after the first coat is touch dry. The second coat must be applied perpendicularly to the first one to ensure a complete coverage.

2. Screeds and Toppings applied to Horizontal Surfaces:

- Sand should be sharp washed, well graded and free from excessive fines. For general use, select BS 882 C and M (previously zone 2) sand. For rendering, select sand complying with BS 1199 Table 1.

3. Screeds and Toppings applied to Horizontal Surfaces:

- Screeds, patches, etc. based on **BOND LATEX** modified cement, can be laid to any thickness from 60 mm down to 6 mm. After mixing, **BOND LATEX**, modified mix should be placed over the still wet bonding slurry, well compacted and struck off to level. It may then be troweled to the required finish using a wooden float or steel trowel.

- Note: Whenever screeds are being laid over existing concrete surfaces, it is important that expansion joints in the sub-floor are carried through **BOND LATEX** modified mix. This can be done by fitting a temporary timber batten wrapped in polythene sheet into the joint.

4. Curing:

- Correct curing of **BOND LATEX** modified mixes is important. Moisture cure for 24 hours and then allow to dry out slowly. (Note that initial curing is necessary to provide good curing conditions for the hydration of the Portland cement, then the Latex mortar must be allowed to dry out to permit the latex particles to join together to form the continuous films and strands).

5. Mixing:

- Mixing should preferably be carried out in efficient concrete mixers. Hand mixing should be followed only when the quantity is less than 25 kgs.

6. Application Process:

- For all normal use standard dosage of 5 kg **BOND LATEX** per 50 Kgs cement is adequate. For all extreme conditions, double dosage of latex is advisable.

APPLICATION TOOLS



PACKAGING

1Kg, 4 kg and 20 KG

STORAGE AND SHELF LIFE

24 months from the date of manufacturing in unopened condition. Store in a cool & dry place.

SAFETY PRECAUTIONS

- Do not store in direct sunlight (10 – 30)°C
- Avoid humidity, cold freezing conditions and off concrete floors. Must be stored where temperatures do not drop to +5°C.
- If product has frozen, thaw and agitate it until completely reconstituted.
- **BOND LATEX** is non - flammable, wash any splashes to the eyes immediately with water, and medical advice should be consulted.
- Wear protective clothes, gloves, glasses and face protection.
- For skin contact, remove it with suitable cream followed by soap and water cleaning

Our recommendations are based on extensive research as well as practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice. Please note that this data sheet supersedes any previous prints. For any additional information, please consult our technical office.

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