



DARMA LATEX

Bonding and Repairing admixture



OVERVIEW

- Darma latex is a multipurpose chemical that is used to join individual members of a structure without mechanical fasteners. Darma Latex is often used in different repair applications by using sand-cement repair mortar to assist in achieving a reliable bond. It is also used in concrete mix for bonding of new concrete to old concrete and joining of successive concrete layers.

PROPERTIES

- ✓ It enhances the tensile and bond strength of the concrete layers
- ✓ It provides excellent adhesion and workability
- ✓ It prevents cracking by improving flexural strength
- ✓ Improves the hardness and prevents dust generation
- ✓ Reduces drying and aging shrinkage cracks
- ✓ Bond strongly to concrete, stonework, plasters, steel and most of other building materials
- ✓ Improves erosion resistance
- ✓ Does not cause any corrosion
- ✓ Improve abrasion resistance of cement mix
- ✓ Enhance the strength of the repaired surfaces and increases durability
- ✓ Less material wastage by avoiding rebound loss (material does not fall back or rebound)

PROPERTIES

- ✓ Shake well before use
- ✓ The chemical must be then poured in the appropriate amount into a separate bowl and diluted with water as per required consistency.
- ✓ This mixture can be used as a primer for old concrete and cracked surface.

AREAS OF APPLICATION

- To join the old to the new concrete surfaces
- To join the surface between successive concrete layers
- To repair cracks
- To reduce wastage when plastering any surface

SURFACE PREPARATION

- Clean the surface
- Any adhesion reducing substances like oil, grease, paints, dust must be removed
- Chisel/roughen the surface to increase mechanical adhesion

MIXING

For crack repair: 5L bonding agent is used for a bag of cement (50kg), 120 Kg of sand and 5L of water

For Concrete Mix: 0.5L of bonding agent is used for a bag of cement (50Kg)

APPLICATION

- Once the concrete mix is prepared by incorporating the bonding agent, it must be applied on the surface immediately
- The mix has to be applied when the chemical is still tacky and not completely dry
- If too much time has passed the primary coating may dry off losing its adhesion property.
- Once the application is completed, smoothen the surface with the help of a trowel and allow it to cure.

PRECAUTIONS

- When mixing the bonding agent, you must use a concrete mixing machine
- Eyes, nose and skin should be protected by wearing security goggles, gloves and dust mask.
- In case of skin contact, wash with plenty of water.
- In case of eye contact, rinse cautiously with water for several minutes. Seek medical advice if the irritation continues.

COVERAGE

For compressive strength of concrete C-25 and mix ratio of (1:2:3), use 1L of Darma Mixture for 100kg of cement or 0.27m³ of concrete

PACKAGING

- 5L plastic container

STORAGE

- 24 months; when stored in dry place in unopened and undamaged original packaging.

Technical data

Appearance	Liquid
Color	White

N.B. The information given in this data sheet is based on both current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site, conditions etc.



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