ROCKMAX® LATEX
ALL PURPOSE BONDING AGENT

INTRODUCTION
Rockmax Latex is a modified polymer emulsion bonding agent suitable to use in many applications include bonding agent between old and new concrete, new to new, old to old concrete substrate, waterproof render mortar, adhesive bonding grout, improve floor screed properties and improve durability in cement mortar. Rockmax Latex is a dispersion of internally plasticized high polymer resin in water. It is a ready to use and milk white liquid with a viscosity only slightly greater than that of water.

AREA OF USES
Rockmax Latex can used to improve bonding, adhesion, durability, watertight and protection to cement mortar. The application areas include mortar, render, plastering, floor screed, bonding construction joints, preventions of cold joints, leveling of floor, application on vertical and horizontal areas, portable waters and etc.

ADVANTAGES
- Excellent adhesion.
- Excellent water resistance.
- Increase durable bond.
- High elasticity.
- Interior or exterior use.
- Reduce shrinkage.
- Can apply in portable water.
- Simply mix with cement, sand and water.
- Widely use for bonding old to new concrete.
- Ready to use.
- Use as bonding for repair materials.

TECHNICAL PROPERTIES
Color and Form: milky white liquid
Solid content: approx 45%
Specific Gravity: 1.10
pH value: 6.5 – 7.5

SURFACE PREPARATION
The substrates must be sound, clean and free from dust, dirt, oil, laitance and loose particles. Pre wet substrate before application of latex but no standing water.

APPLICATION
Bonding agent for old and new concrete

Mix ratio (by weight)
Latex : Water :   1 : 1
Cement : Sand :   1 : 1

(Note: a suitable sand will generally conform to the requirements of ASTM C144)

Dry blend cement and sand together. Mix latex and water approximate 1 minute. Add mixed sand and cement into the mixed and continue mix for 1 or 2 minute until homogeneous. The latex slurry should be thick and creamy consistency. Apply latex slurry on the prepared area with minimum 1mm thickness and maximum 3mm thickness.

The topping must be applied while the bonding slurry is still soft and plastic.

Mortar/Screed/Render/Plastering
Mix ratio (by weight)
Latex : Water   1 : 2
Cement : Sand   1 : 2.5
(Volume of sand and cement might be adjust mix ratio according to requirement of specific application)
Apply mortar on the pre-wet surfaces.
Cure the mortar 24 hours after application.

CLEANING
Clean all tools and equipments by clean water.

LIMITATIONS
- Rockmax Latex must be protected from freezing and do not use below 4°C degree.
- Do not use latex as bonding slurry without cement, sand and water.
- Rockmax latex must be thoroughly mixed for optimum performance by mechanical means.
- The pot life of bonding slurry is approximate 30-40 minute.
- Pre-wet substrate before application.

PACKAGING
20litre pail.

STORAGE
Storage in shade and dry condition at 10-40°C. Avoid from sunlight, frost, water, moisture and high temperature.

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SHELF LIFE
9 months if kept in original package and proper storage area.

PRECAUTIONS
Avoid contact with skin and eyes. Safety goggles and gloves must be used during application. In case of skin of eye contact, rinse with plenty of water and see medical immediately. If swallowed must be see medical immediately. Do not induce vomiting. **Rockmax Latex** is not flammable.

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IMPORTANTS NOTE! !
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