

FUERZA LAXO-408

HIGH QUALITY BONDING AGENT WITH WATER RESISTANT AND MORTAR IMPROVER ADMIX

FUERZA LAXO-408 is a latex emulsion made from a synthetic blended rubber co-polymer, designed to enhance the performance of cement-based materials. When combined with standard ordinary Portland cement, it significantly improves key mechanical properties, including adhesion to various substrates, as well as flexural, compressive, and impact strength. As a coating additive, it reduces brittleness in thin sections of cement. Additionally, its resistance to hydrolysis makes it suitable for use in exterior applications.

TECHNICAL INFORMATION

Appearance:	Single-component, milky-white pourable liquid
PH value at 30° C :	7.5-11
Viscosity on Fond cup B-4:	100 CPS Max.M at 30° C Viscometer spinle 1.12 R.P.M at 250C
Specific gravity:	0.99-1.03
Durability with water:	Dilute-able in any proportion (As per application requirement)
Mechanical stability:	Good
Compatibility:	Compatible with all types of cement and concrete admixtures
Storage stability:	Excellent
Toxicity:	Non-toxic

ADVANTAGES

- Increases flexural and tensile strength
- Compressive strength is comparable with concrete
- Reduced shrinkage, water permeability
- Good bonding between old and new concrete
- High strength mortar with good resilience
- Durable structural repairs, restoration and waterproofing
- Improved abrasion resistant flooring

FEATURES

- Simple to use as it is a single component
- Cures to a hard, tough and resistant surface
- Bonds (adheres) strongly to the most surface types
- Can be applied to a uniform thickness coating on horizontal and vertical surfaces
- Allows trapped water (vapors) to escape and prevents blistering and adhesion failures
- Makes cement mortar or coating compact which prevents salt penetration into the concrete
- It is unaffected by UV light and prevents fading of concrete
- It acts as anti-corrosive for steel. It is highly durable even in continuous contact with water
- It is resistant to water, dilute acids and alkali solutions
- It is non-flammable and non-hazardous. Does not evolve toxic gases when exposed to fire
- Non-toxic to human beings
- Most properties improve on ageing
- Resistant to fungus and micro-organism growth

USAGE

- Waterproofing of buildings, toilets, sunken portions & basements
- Waterproofing of water tanks and swimming pools
- Repairing of concrete & masonry walls and terrace roofs by cement mortars
- Renovation and protection of concrete against corrosion and salt petre
- As a bonding agent for old concrete to new concrete, industrial floor or floor duct nosing repair

DIRECTIONS FOR USE

Surface Preparation:

Proper surface preparation is essential before application to ensure optimal performance and prevent potential failures. The surface must be completely dry and free from dust, loose particles, fungus, moss, oil, grease, mould-release agents, and other contaminants. Clean it thoroughly by scraping or sandblasting to remove dirt and debris. After cleaning, treat the surface with a 5%–10% hydrochloric acid solution, then rinse thoroughly with water to neutralize it—this process enhances the coating's adhesion. Oils, greases, and mould-release agents should be removed using suitable solvents.

Mixing:

Apply a slurry of FUERZA LAXO-408 and cement (1:1 by weight) onto a clean, properly prepared surface. Then, use a trowel to spread the FUERZA LAXO-408 mortar evenly, ensuring a smooth and uniform finish. The modified mortar should be applied quickly due to its rapid setting characteristics. After application, maintain moist curing for 24 hours, followed by normal curing.

Application of mortar:

Cement: 1.00 kg

Sand: 2.50 kg

Water: 0.16 kg

LAXO-408: 0.20 kg

Silicone-based defoamers (proprietary products) may be used, with the dosage determined by the mixing method and the manufacturer's guidelines. Adjust the water content as needed to achieve proper workability, but avoid adding excessive water. For more demanding applications, increase the proportion of FUERZA LAXO-408.

As a bond coat:

For applications such as plaster-to-plaster, concrete-to-concrete, or plaster over brick masonry, use a mix ratio of 1:1:4 (FUERZA LAXO-408 : water : cement). First, blend the latex with water, then add cement to the mixture before use.

SPECIFICATIONS; STRUCTURE REPAIR

a) Remove all sealed / loose concrete to reach up to the concrete or reinforced structure and remove all loose dust by means of wire brush.

b) Remove all dust particles by means of high jet water.

c) Apply one coat of FUERZA LAXO-408 with cement (Ratio of FUERZA LAXO-408: cement :1:1) on cleaned reinforcement & do not allow to dry. Coverage: 25 + 1 sq.ft. / Liter /coat

d) Now prepare polymer modified mortar as given below and apply it on entire concrete substrate at 10mm or 25mm thickness in one layer as required.

Cement : 50 Kg

Sand : 125 Kg

Water : 8-10 Kg.

FUERZA LAXO-408 : 8-10 Kg.

Apply above polymer mortar by hand pressing over tacky FUERZA LAXO-408

e) Allow to cure above polymer mortar for one day.

CURING:

Maintain moisture for 24 hours, after which it should be left to dry naturally.

CLEANING:

Maintain moisture for 24 hours, after which it should be left to dry naturally.

SHELF LIFE:

Shelf life is 24 months from the manufacturing date. Stir thoroughly before use if it has been stored for an extended period.

PACKAGING:

10 kg jerry cane & 210 kg drum.

