

ECAMBOND 511

Acrylic emulsion based Mortar and screed modifier cum bonding agent

Description

ECMA BOND 511 is a modified acrylic emulsion specially designed for use as a bonding aid and gauging liquid for cementitious systems. It is resistant to hydrolysis and can therefore be used for external applications. ECMA BOND 511 is the recommended primer for the ECMAS cementitious repair system.

Areas of application

Recommended primer for ECMAS cementitious repair system. For improving and bonding floor toppings, renders and mortars, repair of worn, damaged or spalled concrete; polymer modified floor screeds.

Advantages

- Single component, gauged as required
- Excellent bond strength to concrete
- Gives weather resistant mortar with improved Durability impermeability to chlorides and other harmful agents.
- Provide waterproof screeds, plasters, and Permeability slurries
- Improve tensile and flexural strength properties.
- Compatible with all kind of cements

Surface Preparation

The object of the surface preparation is to achieve a clean sound surface with a good mechanical key. All substrates should be cleaned and free of dust, plaster, oil, paint, grease, corrosion deposits, and any other deleterious substances. Laitance should be removed by mechanical means. Smooth substrates must be mechanically roughened e.g. by scabbling, needle gun or grit blasting to provide an adequate key. Corroded reinforcing steel should be exposed around its full circumference and cleaned to remove all loose scale and corrosion deposits. It is always preferably to clean the steel to a bright condition. Use of emery cloth, grit or sand blasting is recommended.

Technical Specification

Improvements in mechanical properties of a 3 : 1 sand/cement mortar using ECMA BOND 511.

Appearance	Milky Liquid	
Specific Gravity @27 °C	1.020±0.02	
pH	>7.0	
Mechanical properties	Control	With ECMA BOND 511
Compressive strength (N/mm ²) 28 days	34.5	40.0
Tensile strength @ 28 days	4.0 N/mm ²	4.5 N/mm ²
Flexural strength @ 28 days	8 N/mm ²	10.5 N/mm ²

Packaging

ECMA BOND 511 available in 20 kg Bucket.

Shelf Life

ECMA BOND 511 liquid has a shelf life of 12 months, when stored in unopened containers under normal warehouse conditions.

Storage & Handling

Material should be stored in Cool and Dry shade. Also protect it from Direct sunlight. Please avoid stacking of containers and handle carefully during transport.

Safety Precautions

Wear all PPE's at the of Application like Safety boot, Safety Goggle, Hand Gloves, Mask and avoided with contact of Skin and Eyes. Any direct skin contamination with the hardeners should be washed off immediately with soap and water.

ECMAS CONSTRUCTION CHEMICALS PVT. LTD

7-4-124 Gaganpahad,
International Airport Road
Hyderabad, India - 500 052

phone: +91-40-24360014, 16, 17

email: ecmas@ecmas.co.in

