

Cicobond®LTX

SBR Emulsion, Waterproof Bonding Agent & Curing Compound

DESCRIPTION

Cicobond®LTX is a low viscosity, fine particle size SBR polymer emulsion. It is designed to be used in the building industry as a bonding agent for cementitious mix and to enhance its waterproofing properties. Cicobond®LTX has relatively high bonding strength to concrete, which makes it an essential part of any successful patch repair. Cicobond®LTX can also be used as a curing compound, especially for any repair where it was used as a bonding agent.

USES

- Bonding agent for patch repair mortars.
- Adhesive for a wide range of substrates including concrete, masonry brick, glass, metal, wood, etc.
- Curing compound.
- Additive for some cementitious mortars, where higher bonding is required like tiling and heavy duty screed mortars.
- Waterproofing slurry if mixed with cement.

ADVANTAGES

- Excellent bonding to concrete, masonry brick, plaster, and wood.
- Excellent water resistance.
- Long term durability on exterior exposure.
- Non-Toxic.
- Provides superior freeze/thaw resistance.
- As an additive, it improves the physical and mechanical characteristics of cementitious mortars.
- Excellent curing compound.
- Increases abrasion and chemical resistance.
- Economical.

STANDARDS COMPLIANCE

ASTM C1059 Type II

PACKAGING

4 kg can, 20 kg pail, 200 kg drum & 1000 kg Bulk

SHELF LIFE & STORAGE

12 months storage life if stored in its original unopened containers under a dry and shaded place in a temperature from 5°C to 40°C.

PROPERTIES

Appearance	White liquid
Density @ 25°C	1.00±0.01 kg/lit
PH	9.5±0.5
Bond Strength After Water Immersion (ASTM C1042)	≥ 9 N/mm ²

APPLICATION INSTRUCTIONS

Surface Preparation

The surface must be clean, sound, and free from any loose material or dust. All surfaces to be treated should be thoroughly washed with clean water till saturation (SSD) condition.

Application Method

As A Bonding Agent:

Cicobond®LTX can be used as it is as a bonding agent for patch repair, using either a soft hairbrush or a hand sprayer. Apply the repair mortar when Cicobond®LTX is tacky, i.e., before tack-free takes place. Otherwise, it should be recoated again. To extend its pot life (recommended), especially in hot weather, mix Cicobond®LTX with cement to a uniform slurry. The mixing ratio is 1: 1: 2-3 (Cicobond®LTX: water: cement by volume), depending on the required consistency.

As A Curing Compound:

Cicobond®LTX can be used as a curing compound, especially where high waterproofing is required, or when a prepacked repair product is used, to keep the maximum water content of the mortar in action. Spray Cicobond®LTX on the finished surface within 20-30 min after finishing.

As A Mortar Additive:

Cicobond®LTX can be added to different cement mortars to enhance bonding and tensile strengths. The usual addition rate of Cicobond®LTX is 24-32% by weight of cement depending on the required application. The modified mortar can be used for both interior and exterior purposes.

The coming table can be used as guidance for the different mortars:

Design Mix	Repair Mortar	Heavy Duty Screed	Tile Adhesive Mortar	Crack filling Slurry
OPC (Kg)	50	50	50	50
Sand* (Kg)	125	75	150	50
Crushed stone 8 mm (Kg)	-	75	-	-
Cicobond® LTX (lit)	16	12	14	16
Water (lit)	4-6	6-8	5-7	4-6
Yield (lit)	84-86	93-95	95-97	60-62

* The used sand is the ASTM standard sized sand, except for crack filler, fine sand is used.

CLEANING

Spillage of Cicobond®LTX should be washed out with water, and if becomes solid, it should be removed by hand tools or by light mechanical means.

For more details, please review our Technical Guide for Cementitious Repair

PRECAUTIONS

Health And Safety

Cicobond®LTX is non-hazardous. However, it should not be swallowed or allowed to come into contact with skin or eyes. Suitable protective goggles and gloves should be worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. When contact with the skin is made, wash off immediately with soap and water. If swallowed, seek medical attention immediately, do not induce vomiting.

Technical Support

CIC provides on-site assistance, as well as consulting services on projects when requested. Technical data sheets on other CIC products and guidance on their use are available on request.

Warranty

CIC products are guaranteed against defective materials and manufacture and sold subject to CIC's standard terms and conditions of sale. Whilst CIC endeavors to ensure that any advice, information or recommendation given is correct, the company cannot accept any liability either directly or indirectly arising from the use of its products. User of the product must test the product's suitability for the intended application and purpose, since the company has no control over the application of its products. Information contained in this document is given on the best current knowledge. Our Products are in continuous development and CIC reserves the right to change the product without prior notice.

