



Anti Corrosive Cements for Surface Protection

COROCNSL CEMENT

CNSL Resin based cement

TECHNICAL INFORMATION SHEET

**For Acid Proof floors & Drains, Chimney, Effluent Treatment Plants
Sulphuric Acid Plants & Food Industry.**

GENERAL

CORO-CNSL Resin mortar is a two component cement based on CNSL Resin and a blend of inert finely divided fillers and is non-porous, self hardening and relatively plastic in nature. When set a dense, impermeable and resistant cement is obtained. CNSL Resin mortar exhibits a resistance to a wide range of acids, alkalies, mixed alkaline solutions with acids & water.

INSTRUCTIONS FOR USE

CORO-CNSL Resin mortar has good resistance to mineral acids up to 60% concentration and to oxidising acids such as chromic and nitric acids at concentrations up to 10%. It will resist mixed alkaline conditions including caustic but not suitable for certain solvents and oils.

PRETREATMENT OF THE SUBSTRATE SURFACE

To ensure proper adhesion the surface should be clean, dry and free from oil & greases. All loose matter should be removed. The cleaned surface should be applied with a protective monolithic membrane.

The selection of the protective membrane depends upon the temperature and chemical condition. The cement should not be, under any conditions, directly applied on to the surface because of the presence of the acid catalyst.

CHEMICAL RESISTANCE

A chart can be availed on request.

MIXING RATIO AND PREPARATION

CORO-CNSL is supplied in two components: Powder & Resin. Mixing ratio by weight is approximately 300 parts of powder to 100 parts of resin.

CORO-CNSL resin and powder should be mixed in a clean, enamel vessel. First pour the liquid and then add the powder gradually while mixing with a trowel. Continue mixing until a homogeneous mortar is obtained.

The pot life depends upon processing temperature. The pot life at 30°C, for a weight of 1600 gm. of Cement Mix (400 gms. of Resin and 1200 gms. of Powder) is about 35 to 40 minutes.

APPLICATION

On the prepared surface, spread CORO-CNSL mortar to a thickness of 3-4mm. The mortar is applied on to the sides of the A. R. tiles /bricks and fixed on to the substrate already applied with the mortar. Tamp the bricks or tiles so that mortar comes up in the joints. Scrape off any surplus material immediately with a trowel.

When bricks or tiles are laid with another material, and only the joints are required to be filled in with CORO-CNSL, the joints should be raked out to depth of 12-15 mm. The joints shall be cleaned thoroughly before filling them up with CORO-CNSL mortar prepared as above.

After the application of CORO-CNSL mortar, the construction should be allowed to set without disturbance for a period of 48 hrs.

PHYSICAL PROPERTIES

The test are conducted as per IS : 4456, Part I, 1967.

Working Time	: 40 Minutes at 30°C.
Compressive Strength	: 100 Kg/cm ² at 30°C.
Flexural Strength	: 30 Kg/cm ²
Bond Strength	: 150Kg/cm ²
Water Absorption	: less than 1.0%

The result Confirms to IS 4832 (Part I)

STORAGE

In our experience, CORO-CNSL Powder and Resin has a shelf life of 6 months when stored in cool and dry place. Care should be taken that the powder and resins should be tightly packed and stored in a dry place. No moisture or air should come in contact with the material.

SAFETY PRECAUTIONS

Experience has shown that it is not harmful for CORO-CNSL powder and the ready mixed composition to come in contact with the skin. If it comes in contact, with the skin, it should be cleaned with soap and water. While working with the cement, protective hand gloves and goggles should be used or else it may cause skin and eye irritation. The gases evolved out of the cement while working in an enclosed area should be driven away by a fan or by supply of air.

PACKINGS

The resin is packed in Jerry Cans or Drums and the powder is packed in Polyethylene Bags.

N.B.: The information given in this leaflet is based on results gained from the experience and test. However, all recommendations and suggestions are made without any guarantee as the conditions of use are beyond our control.

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