

# Protekta 400

**A flexible polymer for modified cement/mortar**

## DESCRIPTION

Protekta 400 is an aqueous, dispersion of acrylic-styrene copolymers to make flexible mortar with high elongation. Supplied as a liquid to modify cement/concrete/mortar.

## USES

For making waterproofing slurries and patch repairing flexible mortar/concrete.

## ADVANTAGES

- Provides superior flexural and elongation properties to mortar/concrete
- Prevents penetration of water into the concrete to retard corrosion of reinforcement
- Hinders further penetration of chlorides into concrete
- Prevents advance of carbonation in the event that the concrete cover is not sufficiently compact and/or is too thin
- Effective seal against moisture, i.e., against capillary water absorption and water under pressure, as a result of which the concrete is also protected from chlorides if it is exposed to road salt
- Can also be applied on moist surfaces
- Seals even coarse pores in concrete and thus ensures effective long-term protection

## APPLICATION

1. The surfaces should be clean and free from dust, loose particles, oil and grease.
2. A patch test should be performed on the surface, prior to treatment.
3. Protekta 400 is added directly to concrete mix as per the suggested dosage (below).
4. Add water according to mix design to attain the desired consistency.
5. Apply 2 successive coats totaling 1 mm thickness, allow to dry between the coats.

## TECHNICAL DATA

Ultimate elongation	: 890%
Water absorption 48 hrs	: 10.7%
Tensile strength	: 0.3 N/mm <sup>2</sup>
Resistance to UV light	: very good
CO <sub>2</sub> diffusion resistance	: R <sub>B</sub> = 480
pH	: 7.5-8.5

## DOSAGE

**Concrete/mortar:** 2% of the cement content  
**Slurry:** Adding 10% of cement to Protekta 400 gives coverage of 2 sq.m/L on smooth surfaces and 1.5 sq.m/L on rough surfaces.

## PACKING

20L, 50L (Other sizes available upon request)

## SHELF LIFE

Six months in a closed uncontaminated container and should be utilized before the use-by-date printed on the container. However if the product is passed its used-by-date it is not necessarily unusable. A quality control should be performed on the properties relevant to the application or otherwise contact the manufacturer for further advice. Product older than one year should be discarded.

## STORAGE

Once opened, remaining material should be sealed and stored in a cool, dry place. Care should be taken to always keep product away from direct sunlight or extreme heat.

## HEALTH & SAFETY

Non-hazardous, non-toxic, non-flammable

### IMPORTANT NOTE

Protekta products are non-hazardous when properly handled, applied and stored. When handling suitable protective clothing should be worn. The materials should not be ingested, inhaled or make skin contact. MSDS are available.

### WARRANTY:

The information given in this data sheet is based on many years of experience and is correct to the best of our knowledge and should be used only as a guide. Tech-Dry (India) Pvt Ltd reserves the right to alter certain product parameters within the spectrum of properties in order to keep abreast of technical advances. The information in this document is based on the present state of our knowledge and is applicable to the product. Tech Dry (India) Pvt Ltd is responsible for the quality of the product at the time of despatch but is not responsible for its quality after subsequent storage, handling and application. Neither Tech-Dry (India) Pvt Ltd nor its associated companies shall be held liable for any damage resulting from handling of or contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.



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