

USES

Grouting, roof, basement, garage, voids, soil stabilization

PROPERTIES

The most important thing in this grouting system is that the gel time should be controllable in order to be effective. The mixed liquid should have good gel time control. It is designed in such a fashion that it remains fluid for atleast 15 minutes to penetrate the soil matrix and fill up the voids before it sets.

The viscosity of the chemical has been kept as of water so that it can easily enter and fill up the pores and spaces in soil. The gel thus formed is stable and has been used for strength improvement and water cut-off.

DESCRIPTION

As we have mentioned earlier large number of products have been used for chemical grouting like Lignosulfonate, Phenoplasts, Amino Plasts, Epoxy Resins, Polyurethane Resin, Acrylic Resin, Polyester Resin, and Silicon Resin etc. Protekta Grip has been found the best and most effective.

It was in 1957 that large number of chemicals were tried using injection process but most of them were found unsuitable. Although Protekta Grip has been found very effective but it needs a very sophisticated injection system which is very expensive and since the number of such machines are limited our applicators were finding it hard to use injection sealing system against water ingress in underground structures, buildings and above ground structures like swimming pool etc. We have been working on it and we are pleased to inform you that we have developed a very efficient and cost effective product Protekta

IMPORTANT NOTE

Protekta products are non-hazardous when properly handled, stored and applied. 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 the handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Seal where you can use normal grouting machine and may not need special equipment.

APPLICATION

Protekta Seal is supplied as 3 components, two liquids A, B and a Liquid Catalyst C.

All the 3 A, B and C are mixed at the site in equal amounts and injected using normal grouting machine. The gel formation time can be controlled by varying quantity of C solution concentrations.

TECHNICAL DATA

- Appearance : Colourless liquid
- Iron by mass : 0.005
- Zirconium % by mass : 8.6
- Silicates % by mass : 7.7
- pH : 8-10
- Protekta Seal A : Alkaline
- Viscosity : 2.9
- Protekta Seal B : Slightly acid
- Viscosity : 1.5
- Protekta Seal C : Slightly acid
- Viscosity : 1.3

DOSAGE: Depends on the requirement

SHELF LIFE: 6 months in a closed uncontaminated container and should be used 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

STORAGE: To be stored in closed containers in a cool place and prevent from extremes of heat

HEALTH & SAFETY: Non-Hazardous, Non-toxic, Non-flammable