

PROTEKTA BASE

USES

- Permanently seals cracks up to 2.00mm
- Reseals future hairline cracking
- Reduction of chloride diffusion coefficient by 89%
- Increases surface hardness from 6 to 8 on Moh's scale
- Allow 50% moisture vapour permeability
- Suitable for tanking application (positive hydrostatic pressure)
- Non Toxic-Certified suitability for potable water

DESCRIPTION

Protekta Base is not a surface coating, admixture, crystal growth, or water repellent. It is a specially made product, which is sprayed on cured concrete. After spraying this product you should use 3-day watering process (spray water 3 times at 24 hours interval). The product penetrates and reacts with the concrete forming a sub-surface barrier, waterproofing pores, capillaries and larger cracks against the ingress of water and contaminants. It reacts with free Calcium and water to form a non-water soluble Calcium Silicate Hydrate gel complex in pore capillaries and cracks. This gel creates a sub-surface barrier

APPLICATION

- Must be applied to a clean, dry, dust-free concrete surface, at least 28 days old. Plastered Surfaces may be treated after 7 days.
- Any materials that retard penetration should be removed
- Where segregation or voids are apparent, chip out, spray with Protekta Base, then make good with cementitious materials.
- Good concrete practice should be followed such as adequate curing, compaction, and vibration
- Old or carbonated concrete requires Protekta Guard treatment to reinstate free Calcium
- Do not apply where ambient temperatures are above +40°C

Application Method:

- Locate all cracks and spray with solution ensuring they are flooded with product.
- Protekta Base can be diluted with ordinary water & spray 3-4 times to increase penetration.
- Apply the solution to the remaining area at a rate of between 3-4 sq.m per litre.
- When surface becomes touch dry-(usually 2-6 hours depending on wind conditions and ambient temperature) flood spray the treated areas with water.
- On day 2 -24 hours later water again.
- On day 3 -24 hours later water again.
- It is advisable that after the third watering, pond the area for a minimum of 12 hours to check leakage

TECHNICAL DATA

Biodegradable
Percent non-volatile solids 27.7%
Specific gravity at 25° C 1.225
Flash Point -no true flash -boils at 101°C
Autoignition Temperature -N/A Non explosive
Non -hazardous chemical -Sodium Silicate (modified)
pH 11.7

COVERAGE

Normal : 1 litre for 30 sq. ft.
Smooth, dense : 1 litre for 35 sq. ft. surfaces
Rough, Porous : down to 1 litre to 25 sq. ft. surfaces
For cracked : an additional 1 litre per areas 5 lineal metres is recommended.

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

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 can be provided.

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. It does not represent a guarantee of the properties of 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.

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