EVO-TRAFFICSEAL

EARTH FRIENDLY WATERPROOFING SYSTEM BASED ON ADVANCED POLYESTER/ POLYMER URETHANE TECHNOLOGY

DESCRIPTION:

***EVO-TRAFFICSEAL* penetrating up to 100mm colourless, negative pressure to 4 Bar transparent liquid impregnate – topical UV stable polyurethane surface film, Will provide a tough durable surface finish suitable for concrete slabs with high vehicular traffic.**

NON-TOXIC, non-caustic, non-flammable, inorganic polyester/polymer/urethane formula. It waterproofs, insulates, hardens and preserves concrete, wear slabs, pavers and most natural stone permanently.

Causes a chemical reaction that solidifies the component parts of, concrete and cement mortars into a single mass making it waterproof, resistant to acid, oil, fuels, fats and grease. Will stop dusting, fretting, cracking, seepage as it increases the density of the substrate, increases wear capability.

APPLICATION FIELDS:

- All old or new concrete, pavers, wear slabs.
- Factory floors (high chemical resistance)
- All concrete areas subject to traffic.
- Roads, tunnels, decks, subways, car parks.
- Pool surrounds (high resistance to chlorides and sulphates)

ADVANTAGES:

- Suitable over weak and old substrates.
- Penetrates up to 100mm into masonry
- Safe for users and adjacent areas, it does not require special protection equipments.
- Non-corrosive, non-toxic and non-flammable.
- Environmentally friendly. Saves hazardous classified materials transportation cost.
- Will not harm glass, tiles or aluminium.
- Will resist chlorine-stain.
- Permanently waterproofs and preserves.
- Increases tensile strength.

SURFACE PREPARATION:

Preparation of the surface

Fill all holes and cracks with suitable mortar

Clean the surface to be treated to remove dust, grease, salts, or unsound particles and loose or cracked paint, to optimize the penetration of ***EVO- TRAFFICSEAL.***

EVO-POWERCLEAN is recommended before application.

ALLOW SURFACE TO DRY.

APPLICATION:

Apply ***EVO-TRAFFICSEAL*** by low-pressure spray operating at no more than 20 psi, backpack or hand-spray, backpack ensuring an uniform and homogeneous coverage starting at the top and working across the surface and gradually working downwards**. It is essential to saturate the substrate and remove by wiping, any excessive unabsorbed material.**

Allow ***EVO- TRAFFICSEAL*** to cure and penetrate for a period of about 12-24 hours.

Complete curing 4-5 days

CLEANING:

Tools and equipments should be cleaned immediately with water after use.

CONSUMPTION:

Consumption of ***EVO-TRAFFICSEAL*** 5 /m_2 per lit. Approx.

Consumption depends on porosity, texture and substrate conditions. A preliminary test on-site will determine exact consumption.

IMPORTANT CAUTIONS:

 Apply in good weather with air and surface temperatures above 7 ºC

DO NOT APPLY TO ANY SURFACE PREVIOUSLY COATED WITH SILICONE OR SOLVENT BASED MATERIALS.

 Will NOT fill holes or sizable cracks. IF PRODUCT IS NOT ABSORBED IT SHOULD NOT BE APPLIED

PACKAGING:

EVO-TRAFFICSEAL is supplied in 5L, 20L and 200L containers.

STORAGE:

Twelve months in its original unopened containers, in a dry and covered place protected from frost, with temperatures ranging from 4 ºC. To 38 ºC

SAFETY AND HEALTH:

EVO-TRAFFICSEAL is a non-flammable and non-corrosive product but eye and skin contact must be avoided. Use gloves and safety goggles. In case of eye contact, thoroughly clean with clean water but do not rub. In case of skin contact, wash affected areas with water and soap. If irritation persists, seek medical attention.

TECHNICAL DATA: WARRANTY: 10 year manufacturer

Characteristics of the product –Non-Toxic-Non-Flammable-Non-Caustic

Appearance Translucent Liquid

Vapour (air+1) -N
Specific Gravity (water=1)1,34@ 20 ^{o}C
pH Approx. 6
Minimum application temperature (^{o}C) > 7
Solubility/Evaporation Rate DILUTABLE-(BAC=1) same as water
Flash point/Boiling Point/Freezing Point Non-flammable-Same as Water
Estimated consumption per treatment* 1 lit 5-7/m_2
***** Depending on absorption, texture and substrate conditions as well as application method.

Testing Accreditation

Testing Accreditation Technical Bulletin

ASTM C-31: Increase of Compressive Strength in concrete tested with Evo – Seal TM

ASTM C-672: Chloride Penetration Resistance - No Chloride Penetration at any depth.
ASTM - 413: Water Absorption of Chemical Resistant Concrete/Mortar Surfaces. Test Results show concrete positively waterproofed, inhibiting corrosion..

ASTM C-67: Section 10: Efflorescence
AASHTO- T259 - 89: Chloride Ion Penetration

BS 1881: Part 122 : Method for determination of Water Absorption.
BS - 1881 - 122: 1983 : - Water absorption of concrete cylinders.

AS 1012.21: - Standard test method for density and absorption.
Shall not exceed 1.0% after 48 hours or 2.0% after 50 days.

GHD Engineering

Negative Hydrostatic Pressure Test. :- Passed 60 psi. no visible failure. Procedure for determination of Water Permeability of Concrete.
GHD standard test method.