

VERLAC[™] AC CLEAR

AQUEOUS BASED PROTECTIVE, DECORATIVE, ANTI-CARBONATION COATING

BENEFITS

- < Dramatic reduction in chloride and water absorption
- < Comprehensive protection against frost / road salt attack
- < Optimum resistance to alkalis
- < Good depth of penetration
- < Provides good adhesion for paints
- < Solventless, aqueous and environmentally compatible
- < Low volatility
- < Thixotropic
- < Can be applied without loss of material
- < Allows to breathe the surface.
- < Reduces sulphate attacks.
- < Long-life, Lasts for more than 10 years.

PRODUCT

VERLAC AC CLEAR is an aqueous, creamy, silane-based protective, decorative, anti-carbonation coating. It is a high quality specialty product for impregnating reinforced concrete.

USES

VERLAC AC CLEAR is recommended particularly for impregnating and priming concrete and reinforced concrete used in building bridges, roads and buildings. Brushes, lambskin rollers or spatulas may be used for smaller areas.

DESCRIPTION

VERLAC AC CLEAR is a unique impregnating agent due to thixotropic having an outstanding ability to impregnate high-quality concrete and reinforced concrete. **VERLAC AC CLEAR** can be applied in just one coat of the desired thickness (at the most, two coats). The silane active ingredient penetrates the substrate within 30 minutes to several hours where the exact time depends on the porosity and quality of the concrete. On reaction with the substrate, it releases ethanol and is converted into a polymeric silicone resin. A creamy layer forms initially, but then disappears completely. As the active ingredient is the same as in conventional liquid impregnating agents, impregnation with **VERLAC AC CLEAR** does not clog the pores or capillaries, nor does it affect its ability to "breathe". **VERLAC AC CLEAR** is designed to penetrate deeply into concrete so as to afford optimum protection against absorption of water and pollutants as well as freeze / thaw cycles.

PROPERTIES

Appearance

white cream	Active substance content	:	80 approx. [wt %]
	Density at 25°C, approx.	:	0.9 [g/cm ³]
	pH, approx.	:	6
	Flash point approx.	:	74°C
	Chloride content	:	< 40 ppm

SPECIFICATION

VERLAC AC CLEAR is an aqueous, solventless, creamy, silane-based protective, decorative, anti-carbonation coating having outstanding ability to impregnate high- quality concrete and reinforced concrete, used as per instructions of the manufacturers HAMCO SARL.

APPLICATION

VERLAC AC CLEAR is applied to the concrete by the airless technique, undiluted and in the desired thickness. Brushes, lambskin rollers or spatulas may be used for smaller areas. Up to 300 g/m² may be applied in one operation to vertical surfaces and roofs, without loss of material. The exact amount depends on the absorbency of the substrate. If the substrate is of high quality and hence not very absorbent, do not apply more than roughly 200 g/m² in one operation, as it may take several hours to penetrate completely. At higher application rates, the impregnating film might liquefy because of the concrete's alkalinity and it might start to run off. A second coat of **VERLAC AC CLEAR** may be applied at any time, but is usually unnecessary.

PACKING & COVERAGE

VERLAC AC CLEAR is supplied in 1, 5, 10, 20, 50 kg.

SHELF LIFE & STORAGE

VERLAC AC CLEAR will have a shelf life of **12 months** in unopened containers when kept in dry conditions at a temperature between 5°C to 45°C. Storage at higher temperature or high humidity may reduce shelf life.

HEALTH & SAFETY

VERLAC AC CLEAR is a non-toxic, mild alkaline liquid. Any splashing on skin shall be washed off with clean water. If contact with eye occurs wash with clean water and seek medical advice.

QUALITY ASSURANCE

HAMCO SARL manufactures entire range of construction chemicals Protective coatings ,wood coatings ,decorative paints ,water proofing systems and concrete repair .

TECHNICAL SERVICES

While new advances and changes will take place but one thing will never change is quality and meeting special needs of our customers. Our technical personnel & experts are available to provide additional information and technical assistance. We are eager to work with you in development of new product and resolve your problem.

The information given in this data sheet is based on both the current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept the responsibility for any work carried out with our materials as we have no control over methods of application, site conditions etc. In view of the continuing research and development being undertaken in our laboratories we advise customers in their own interest to ensure that this data sheet has not been superseded by more up-to-date publication. All products are sold subjected to our standard conditions of sale which are available on request. Field services, where provided, does not constitute supervisory responsibility. For additional information, please contact our local HAMCO SARL – VERLAC-representative

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