

VERL@C-SFTM (G)

**A HIGH SOLID, LOW VOC, HIGH BUILD,
TWO PACK EPOXY COATING REINFORCED
WITH GLASS FLAKES**

BENEFITS

- < Solvent Free.
- < **Non Toxic.**
- < **Low odour, Taint free.**
- < **High Build, high solid.**
- < **Ease of application.**
- < **Very good** chemical resistance.
- < **Good** mechanical properties.
- < Resistance to water.
- < **Excellent** Abrasion Resistant.
- < Excellent adhesion to concrete and steel substrates.
- < Available in various colours.
- < Compatible with all substrates.
- < Corrosion resistant.

PRODUCT

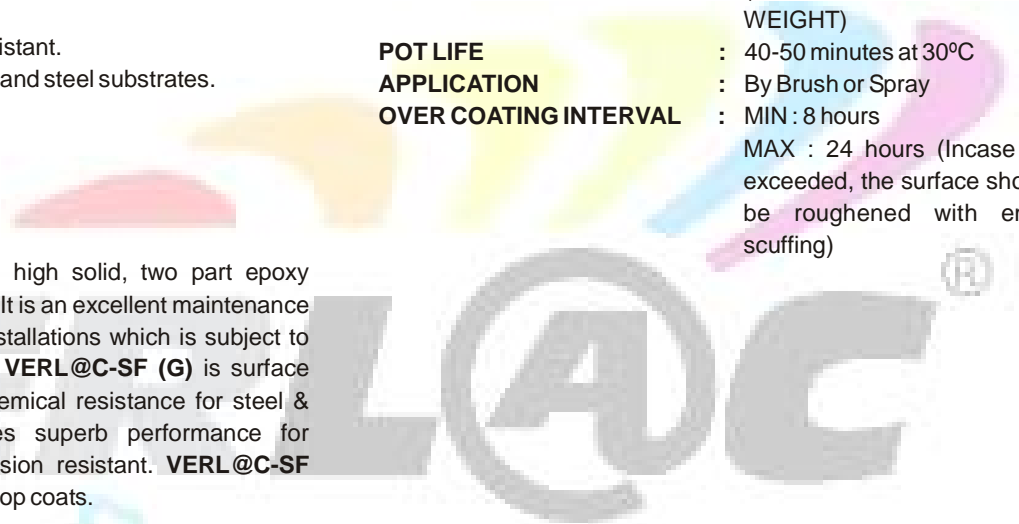
VERL@C-SF (G) is a high build, high solid, two part epoxy coating reinforced with glass flakes. It is an excellent maintenance coating for off-shore & on-shore installations which is subject to highly salty & humid environment. **VERL@C-SF (G)** is surface tolerant coating for corrosion & chemical resistance for steel & concrete. **VERL@C-SF (G)** gives superb performance for immersion in splash zone & abrasion resistant. **VERL@C-SF (G)** is compatible with wide range of top coats.

USES INCLUDE

- < For Off-shore & On-shore installations subjected to continuous humid & salty environments.
- < Off-shore platforms, Refineries, Chemical Units & Petrochemical Industries.
- < Also suitable for food processing areas, ducts & dairies, pharmaceutical industries etc.

PROPERTIES

COLOUR	: RANGE OF COLOURS
FINISH	: Semi-Glossy to Matt
THEORETICAL SPREADING RATE (COVERAGE)	: 2. to 2.3 sq.mtr / Kg/2 coats 3 to 3.4 sq.mtr / liter /2 coats
SHELF LIFE	: BASE : 12 months, HARDENER : 12 months
MIXING RATIO	: (Base 80: Hardener 20 by WEIGHT)
POT LIFE	: 40-50 minutes at 30°C
APPLICATION	: By Brush or Spray
OVER COATING INTERVAL	: MIN : 8 hours MAX : 24 hours (Incase it is exceeded, the surface should be roughened with emery scuffing)



EU REGISTRATION NR. 011727914

Temperature Resistance : For Continuous and interminant up to 200°C.

Corresponding WFT : 300-600 microns per coat
Recommended DFT : 350-500 microns per coat

DRYING CHARACTERISTICS

(at 30°C) : SURFACE DRY : 1 to 2 hours
HANDLEABLE : 6-8 hours
Hard Dry : Over Night
FULLCURE : 7 days

Over Coating Interval : Minimum : Over Night
Maximum: Depending on conditions.

Special Note : VERL@C-SF (G) is not recommended for immersion service in Acids, Alkalis or Solvents.

INSTRUCTIONS FOR APPLICATION

Surface preparation :

(A) NEW CONCRETE FLOOR SURFACES:

Must be allowed to cure at least 30 days before coating. The moisture content of the concrete Floor/ masonry should be less than 6% in case of large areas and for severe exposure conditions, the surface has to be prepared by light blasting in less critical areas where blasting is not practical, wire brushing has to be adopted to remove laitance following by treating with dilute hydrochloric acid (10%). Remove acid and contaminants by liberal wash with water.

Ensure that acid solution does not remain on the surface and joints. Allow before applying primer.

CHEMICAL RESISTANCE CHART

REAGENT	Splash & Spillage	Mild Fumes & Outdoor Resistance
Acetic Acid-100%	Very Good	Very Good
Acetone	Limited	Limited
Bleach	Limited	Limited
Citric Acid	Very Good	Very Good
Crude Oil	Excellent	Excellent
Diesel Fuel	Excellent	Excellent
Ethylene Glycol	Excellent	Excellent
Fatty Acids	Excellent	Excellent
Gasoline	Excellent	Excellent
Hydrochloric Acid-37%	Excellent	Excellent
Lactic Acid	Excellent	Excellent
Methyl Ethyl Ketone	Very Good	Very Good
Nitric Acid-50%	Excellent	Excellent
Skydrol	Excellent	Excellent
Sodium Hydroxide-50%	Excellent	Excellent
Sulfuric Acid-70%	Excellent	Excellent
Toluene	Excellent	Excellent
Urea	Excellent	Excellent
Vinegar	Excellent	Excellent
Xylene	Excellent	Excellent
Salt	Excellent	Excellent
Water	Excellent	Excellent

(B) OLD CONCRETE FLOOR SURFACES :

Remove the surface contaminants like grease, oil etc. by solvent wiping or by 10% caustic solution. The surface should be preferably prepared by light blasting. In case blasting is not practical etch the surface to get a good profile by treating with dilute hydrochloric acid (10%). Remove acid and contaminants by liberally washing with water. Ensure that acid solution does not remain on the surface and joint. Allow the surface to dry thoroughly before primer.

In case of Cracks & Undulations, surface defects can be made good with VERLACSCREED VF Epoxy Putty to facilitate the application of uniform continuous coatings.

(1) PRIMER COAT(VERL@C-PRIMER) :

MIXING : VERL@C-PRIMER is supplied as ready to use in pre-weighed packs of base and hardener for easy application on site mixing. Pour the hardener into base can, mix well using paddle attach to an electric drill until uniform material is produced. After mixing keep the mix material for 2-3 minute to ensure the removal of air from system.

APPLICATION PROCEDURE : VERL@C-PRIMER may be applied by brush, roller or airless spray to give continuous coating on prepared surface. After proper surface preparation apply one coat of VERL@C-PRIMER and allow it to dry completely (MIN. 4 hrs).

NOTE : For technical details refer the Separate Technical Datasheet of VERL@C-PRIMER.

(2) TOPCOAT(VERL@C-SF (G) :

MIXING : VERL@C-SF (G) is supplied as ready to use in pre-weighed packs of base and hardener for easy application on site mixing. Pour the hardener into base can, mix well using paddle attach to an electric drill for at least 5 minutes until uniform color is obtained. After mixing keep the mix material for 2-3 minute to ensure the removal of air from system.

APPLICATION PROCEDURE : VERL@C-SF (G) may be applied by brush or spray to give continuous coating on prepared surface. After proper Priming apply one coat of VERL@C-SF (G) and allow it to dry MIN:8hrs ; MAX:24 hrs, when first coat dries sufficiently then apply second coat of VERL@C-SF (G) (Minimum 2 coat application is recommended).

CLEANING

Tools and mixers should be cleaned with VERL@C-SOLVENT/TOOL CLEANER immediately.

QUALITY ASSURANCE

Hamco sarl manufactures entire range of construction chemicals protective coatings , wood coating, decorative paints, water proofing systems .

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 supersede 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®Registered Trade Mark

