

VERL@C-ARTM

PROTECTIVE COATING WITH OUTSTANDING CHEMICAL AND ACID RESISTANCE

BENEFITS

- < Resistance to a wide range of chemicals and Acids.
- < Hygienic and easily cleanable.
- < Durable and abrasion resistant.
- < Excellent chemicals resistant.
- < Resistant to oil, grease and water.
- < Excellent adhesion to most substrates.
- < Easy to apply.
- < Solvent free so low odor.

Chemical Resistance : Please consult our Technical Department for additional information. Refer separate chemical resistance chart. Completer Acid resistivity will be gained in 7days time

VERL@C-AR is one of the best solution for coating of any substrate where chemical resistant is needed ,it gives excellent film protection and textures if need but thickness has to be enough to cover this kind of application .thickness for VERL@C-AR can reach 1000microns if needed but good performance and product benefit can start with 450/500microns .

VERL@C-AR can be applied with Primer VERL@AC Primer PH if needed more protection for the substrate and longer life for the application .

VERL@C -AR is an Ideal solution for chemical bath with high PH it can protect the substrate and has very good mechanical properties .it is used in Chemical plant flooring ,labs , hospitals ,petrochemical plants ,,,,,

PRODUCT

VERL@C-AR is a two part, high build, solvent free, Resin based coating, available in three colors, i.e. Dark Grey, Light Grey and White. It is supplied in pre-measured quantities ready for site mixing and use. It conforming to **BS 8203**.

USES

VERL@CAR is used to provide a durable coating, with high chemical resistance. It may be applied at low ambient temperatures.

DESCRIPTION

VERL@C-AR protective coating is Resin based coating. Resins together with selected pigments and thixotropic which enables a substantial film thickness to be applied on vertical surfaces. The cured film is extremely tough and smooth surface with a fairly good slip resistance. **VERL@CAR** protective coating has excellent adhesion to concrete and metal surfaces, outstanding chemical resistance and is unaffected by oil, grease, petrol etc. It can be used in food processing areas since after curing it is taint free.

PROPERTIES

Color : Dark Grey, Light Grey & White
Pot Life : 45 minutes, at 30°C
Curing Time : at 30°C : 1 day for light foot

Temperature Range : during application : 30°C to 35°C, in service :

Solid by volume : 98%+/-2%
Hardener : 20%
Chemical type : Epoxy
Working temperature : -20°C to 70°C

USES

VERL@C-AR protective coating provides a tough, hygienic, chemical resistant coating for walls, floors, and ducts in dairies, abattoirs, sewers, food processing areas, etc. Where floors will receive heavy wear, **VERL@C-SCREED EP** epoxy floor screed should be used (see data sheet of **VERL@C-SCREED EP**).

APPLICATION

Surface Preparation : Surface should be sound, levelled and free from grease, oil and all loose deposits. Blow-holes and surface defects can be repaired with **VERL@C-SCREED VF** epoxy putty to facilitate the application of a uniform continuous coating. Vacuum grit blasting or mechanical scabbling techniques are recommended to ensure optimum adhesion.

Priming : Apply **VERL@C-AR PRIMER** by brush or roller. Allow minimum 24 hrs to cure before coating of **VERL@C-AR**. **SAFECOREAR PRIMER** is also supplied in pre-weighed two components. Mix base and hardener by mechanical means till get uniform and homogeneous solution. A low speed drill with paddle attachments is recommended for mixing.

Mixing : **VERL@C-AR** protective coating comprises of two components, the resin **BASE** and the **HARDNER**, which are supplied pre-weighed in the correct proportions. When required for application the **HARDNER** should be poured into the can containing the **BASE** and drained well. Both the components should be thoroughly mixed using a mechanical stirrer, e.g. electric drill with paddle attachment, until the material is uniform in color.

Application : VERL@C-AR protective coating should be applied by brush, roller or airless spray to give a continuous film on the prepared surface. The second coat should be applied in a similar manner at right angles to the first coat on the following day. The covering capacity of the coating will vary depending upon the porosity of the surface and the ambient temperature. This will give a final Coating thickness of 400 to 450 micron for a two coat application. **Cleaning :** Equipment should be For Spray application Spray tip by Airless :0.028 pressure at nozzle :3000psi recommended machine type Graco X70 Roll Application brush application (avoid air bubbles while application by using spike roll)

Clean with VERL@C TOOL CLEAN immediately after use.

Commissioning : At ambient temperatures of 30°C or more, the VERL@C- AR protective coating gets hardened sufficiently in 1-day to allow light traffic, but full abrasion, and acid chemical resistance will be achieved only after 7 days cure at 30°C.

Handling Precautions : Cleanliness in handling resins is essential to prevent skin irritation. Please refer to the VERL@C SAFE HANDLING GUIDE for detailed recommendations.

PACKING & COVERAGE

VERL@C-AR is supplied in US Quart US gallon US pail

It has a coverage of 8-10m²/gallon depending upon surface texture and film thickness .

VERL@C-AR will have a shelf life of **3 months** in unopened containers when kept in dry conditions at a temperature between 5°C to 22°C. Storage at higher temperature or high humidity may reduce shelf life.

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

EU REGISTRATION NR:015727814

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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