

# VERL@C<sup>TM</sup> AC AC

**PROTECTIVE, DECORATIVE,  
ANTI-CARBONATION COATING FOR EXTERIOR/INTERIOR SURFACES**

## **BENEFITS**

- < Anti-carbonation properties
- < Good weathering properties
- < Excellent bond with concrete substrate
- < Forms flexible film
- < Gap bridging properties
- < Allows substrate to breath
- < Choice of colours
- < Single pack, brush applied
- < Non-toxic/Non-flammable
- < Excellent waterproof coating
- < Economical

## **PRODUCT**

**VERL@C AC** is a smooth protective, decorative anti- carbonation coating for interior / exterior surfaces with exceptional weathering characteristics conforming to **IS 15489 : 2004**.

## **USES**

**VERL@C AC** provides a smooth decorative durable coating for concrete and masonry surfaces like big commercial buildings, public places, residential building etc.

## **DESCRIPTION**

**VERL@C AC** is ready to use aliphatic elastomeric based coating containing special polymers and fillers. **VERL@C AC** provides extremely tough protective decorative coating that allows surface to breathe. **VERL@C AC** has been specially designed for the decoration and protection of concrete against attack from atmospheric carbon dioxide, airborne chlorides, acid rain, weathering etc. **VERL@C AC** is non- flammable and hence can be used in interiors also. **VERL@C AC** has excellent adhesion to the substrate and cures to form a flexible film that allows the surface to breath and acts as carbon dioxide barrier thus protecting the concrete in aggressive weather conditions. It has excellent gap bridging ability, does not age with time, and forms an extremely durable film.

## PROPERTIES

<b>Surface finish</b>	: Matt
<b>Fire resistance</b>	: Non-flammable
<b>Application temperature</b>	: 3°C-40°C
<b>Drying time Touch dry</b>	: 1/2 hrs to 4 hrs . (depends upon temperature and humidity)
<b>Thorough dry</b>	: 2 hrs.-12 hrs.
<b>Carbon dioxide diffusion resistance factor(<math>\mu</math>)</b>	: 690,000 (Based on Engelried Technique)
<b>Equivalent to air thickness(R)</b>	: 200m at a film thickness of 209 microns.
<b>Effective barrier to carbon dioxide (R)</b>	: > 50m.

## APPLICATION

**Surface Preparation** : Substrates must be clean, sound and free from dust and loose particles. All holes and cracks must be filled with a suitable filler. All traces of oil, grease or other contaminations must be removed. The new concrete surface must be at least 14 days old before coating if in doubt, allow full curing to take place for 28 days before application of **VERL@C AC**.

**Priming** : On old or porous surfaces, ensure that the substrate is sound and dilute 2 parts of **VERL@C AC** to 1 part of water and prime the surface. When it is tacky or touch dry (i.e after 1/2 to 3 hours), apply **VERL@C AC** on the primed surface.

**Application** : Stir the material in the container thoroughly and spread evenly with a brush, roller or airless spray. Avoid application during rainy weather. In hot, dry weather, dampen unpainted surfaces with water to prevent **VERL@C AC** drying out too rapidly. The surface texture and porosity must be taken into account while estimating quantities.

**Cleaning** : Tools should be cleaned with water immediately after use.

## SHELF LIFE & STORAGE

**VERL@C AC** 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.

## PACKING & COVERAGE

**VERL@C AC** is supplied in 1, 5 and 20 kg bucket & will have coverage of 4-5m<sup>2</sup>/kg/two Coats (Recommended DFT 200 microns) The coverage of **VERL@C AC** depends on the surface.

## HEALTH & SAFETY

If skin contact occurs wash thoroughly with clean water and if eye contact occur immediately clean with plenty of clean water and seek medical advice. Full health and safety details are given in product safety data sheet.

## SPECIFICATION

**VERL@C AC** is a ready to use aliphatic elastomeric based coating containing special polymers and fillers having a coverage of 4-5m<sup>2</sup> / kg/ two coats in accordance with the instruction of HAMCO.

## QUALITY ASSURANCE

HAMCO manufactures entire range of coating systems including Protective coatings water proofing decorative paint and wood coating and concrete repair 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 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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