

# **VERL@C-EP MU HS** SOLVENTED HIGH BUILD HIGH SOLID MULTI USE PRIMER & FINISH COATING FOR STEEL & CONCRETE SURFACES

## **BENEFITS**

- Can be used on steel, galvanized steel and concrete substrates & has excellent adhesion.
- Excellent protective properties.
- Excellent over coating characteristics.
- Low VOC.
- Flexible.
- Chemical resistant.

## **PRODUCT**

**VERL@C-EP (MU HS)** is a two packs, high build, solvented epoxy coating for, steel structures and concrete to provide protection from weathering abrasion and corrosion. It provides a durable coating suitable for application to both vertical & horizontal surfaces.

## **USES**

**VERL@C-EP (MU HS)** is used to protect steel and concrete surfaces and for enhanced resistance to oil, grease, water penetration, abrasion and chemical attack.

## **PROPERTIES**

<b>Colors</b>	: White, Grey, Others on order
<b>Volume Solids</b>	: 88%
<b>Pot Life At 25°C</b>	: 12 hours
<b>Curing At 25°C</b>	: 7 hours
<b>Touch Dry</b>	: 1.5 hours
<b>Full Cure</b>	: 7 days
<b>Temperature Range</b>	: During application, 5°C to 45°C
<b>In Service</b>	: Max. 60°C,
<b>DFT</b>	: 150 micron
<b>m<sup>2</sup>/lit</b>	: ~10m <sup>2</sup> /lit @ 90mic

## **APPLICATION**

**Surface Preparation: Steel & Concrete Surfaces:** Oil contaminated surfaces should be thoroughly cleaned with a degreaser and sand blasted. Where this is not possible, minimal surface preparation of wire brushing should be done.

**VERL@C-EP (MU HS)** can be applied directly to steel & concrete surfaces.

**Priming:** Normally primer is not required. But after grit blasting / sand blasting, if there is any delay to erection, one coat of **VERL@C-EP (MU)** up 60% with **VERLASOL EP** is advisable to prevent further flush rust.

**Mixing:** **VERL@C-EP (MU HS)** is supplied as ready to use in pre-weighed packs of resin and hardener for easy on site mixing. Pour the hardener into the resin can, mix well using a paddle attached to an electric drill, for 2-3 minutes until a uniform color is obtained.



**Application: VERL@C-EP (MU HS)** may be applied by brush or airless spray to give a continuous coating on the prepared surface. A second coat may be subsequently applied when first coat is dried. Preferably next day.

**Cleaning: Tools** and mixers should be cleaned with **VERL@C-solvent** / Tool cleaner immediately after use.

#### **PACKING & COVERAGE**

**VERL@C-EP (MU HS)** is supplied in U.S Gallon and Pail pack.

#### **SHELF LIFE & STORAGE**

**VERL@C-EP (MU HS)** 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**

Hand Gloves must be used. Goggles for overhead application to prevent contact with eye. Any splashes on skin should be washed with water and medical advice sought. In enclosed areas, good ventilation must be ensured, and smoking must be strictly prohibited while using **VERL@C-EP (MU HS)**.

#### **SPECIFICATION**

**VERL@C-EP (MU HS)** is a two pack, high build, solvented, epoxy coating for steel structures to provide protection from weathering and abrasion. One liter will cover an area of approximately 6-7 sq.mt. For recommended two coats, in accordance with the instruction of VERL@C- Hamco sarl

#### **QUALITY ASSURANCE**

Hamco sarl manufactures entire range of construction chemicals Protective coatings , wood coatings ,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 an 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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## Technical Summary For SAFECORE EP MU HS

### Chemistry

<i>Color</i>	White, Grey & (Special colors on order)
<i>gloss level</i>	Semi Gloss
<i>Volume Solids</i>	85% ± 2%
<i>typical thickness</i>	85 Micron dry Equivalent to 100 Microns Wet.
<i>theoretical coverage</i>	25 M2 / U.S Gallon at 150 Microns
<i>practical coverage</i>	Allow Appropriate Loss Factor
<i>Flash Point</i>	27 °C
<i>Specific Gravity</i>	1.5 Kg/l
<i>Thinner to use</i>	VERLASOL EP

### Application Method

<i>common application fields</i>	<b>General Steel &amp; Concrete</b>
<i>Application methods</i>	Airless/tip: .018"/.020", pressure at tip not less than 150 bar Conventional / (pressure pot): 1.4mm Nozzle / 4 Bars      Brush Roller
<i>Number of Coats</i>	Two Coats
<i>Recommended time interval between coats at 21°C</i>	3 Hours
<i>Thinning</i>	20%
<i>HARDENER</i>	20% HARDENER EP HS
<i>cleaner</i>	VERLAC Cleaning Thinner
<i>preparation of substrate</i>	Mechanically or abrasive blasting /SAFECORE ZRP, ZRP HZ
<i>Dry Time</i>	1.5 Hour Touch Dry, 3 - 5 Hours Hard
<i>Time to clean application equipment</i>	Immediately after use.
<i>Packaging</i>	1 Quart, U.S. Gallon & U.S.Pail
<i>storage</i>	Between 5C and 45C Degrees
<i>Shelve life storage</i>	12 Month
<i>Shipping weight not including pallets and boxes</i>	us gallon/---kg    imp gallon/---kg    pail of 5usg /---kg    pail 25litrs----kg

#### *recommended systems and compatibility*

Top Coat For	SAFECORE ZRP, ZRP HZ
Top Coat	SAFECORE PU - UD, SD, D

