

**7F-240**
**C-FLOOR E240 WB**
**Satin epoxy water based coating for floors and concrete surfaces**

Revision date: July 2012

**PRODUCT DESCRIPTION**

C-Floor E240 WB is an epoxy water based coating for floors and concrete surfaces and its main properties are:

- Dust free coating for concrete floors and ceramic surfaces.
- Elevated hardness and abrasion resistant.
- Good chemical resistance.
- High thickness.
- Easily cleaned with water.
- Tolerant to damp surfaces.
- Fireproof.
- Available on 3G Colour System.

**INTENDED USES**

Coating for concrete surfaces in parking, food, chemical and pharmaceutical industries, laboratories, hospitals, parking areas and industrial warehouses with medium mechanical requirements. This product can be applied over ceramic surfaces.

**PROPERTIES**

<b>Finish</b>	Satin
<b>Colour</b>	Red RAL-3009, green RAL-6021 and grey RAL-7042. Other colours: available on 3G Colour System
<b>Components</b>	2
<b>Mixing ratio (weight)</b>	Resin 7F-241 4 parts Cure 7F-242 1 part
<b>Pot-life</b>	2 hours at 20°C The useful pot-life of the mixture depends on the temperature and quantities mixed.
<b>Induction Time</b>	15 minutes
<b>Volume solids</b>	66% (theoretical)
<b>Specific weight</b>	1,61 ± 0,04 g/mL
<b>Dry film thickness</b>	80 – 100 µm Thickness depends on surface absorption of the concrete. Indicative value: 80 – 100 µm per coat
<b>Number of coats</b>	2 – 3 With some colours, it may be necessary to apply three coats to get a total coverage.

We recommend that the technical data sheet is periodically checked to ensure that it is the most recent version. The company guarantees that its products conform to the specifications as detailed in the respective technical data sheets. The company cannot be held responsible for the consequences of technical information given prior to or after purchase of products which is merely of an advisory nature, given in good faith and to the best of its knowledge. Claims can only be accepted for products which do not conform to the purchase order. The company will, at its discretion, either replace the defective goods or reimburse the customer. The company cannot accept responsibility for any other loss or damage. All sales are subject to our general terms and conditions of sales that we advise to be read.

7F-240

**C-FLOOR E240 WB****Satin epoxy water based coating for floors and concrete surfaces**

Revision date: July 2012

<b>Theoretical coverage</b>	4,1 m <sup>2</sup> /kg at 100µm Allow for application losses, surface irregularities, etc.
<b>Application method</b>	Airless or conventional spray, brush or roller.
<b>Drying times</b>	at 20°C and 100 µm:  Dry for human traffic: 24 hours Dry for movement of light loads: 48 hours Complete cure: 7 days Recoating time: Min: 24 hours Max: 72 hours  Drying times are dependent on temperature, ventilation and film thickness

**PAINT SYSTEMS**

It is recommended that the surface be first sealed with the same product diluted up to 10%, depending upon surface absorption.  
Spread rate for one coat: approx. 4,0 m<sup>2</sup>/kg

**Smooth System**

Two coats of C-Floor E240 WB  
Total coverage (two coats): approx. 2 - 2,5 m<sup>2</sup>/kg

**Non-slip system of low rugosity (c 0,2 mm)**

Apply the first coat diluted 5% by weight with water.  
The preparation of the paint for the final coat should be as follows:  
After mixing the two components, add 0,15kg of non-slip additive (ref. 89-210) to 1 kg of C-Floor E240 WB. The product should be diluted 10% with water.  
Total coverage (2 coats): approx. 2,0 m<sup>2</sup>/kg

**Non-slip system of medium rugosity (approx. 0,5 m)**

Apply one coat and, white damp, sprinkle with silica Quartz G300 until saturated.  
After 24 hours, remove the non-adhering silica and apply 1 – 2 coats of paint. To guarantee a complete colour and gloss uniformity, it's recommended to apply 2 coats of paint.  
Total coverage (2 coats): approx. 2,0 m<sup>2</sup>/kg

**SURFACE PREPARATION**

The concrete must be left for at least 28 days so as to be fully cured. The surface must be clean, dry and with sufficient roughness, achieved by use of diamond sander or shot blasting.  
The concrete must have a minimal tensile strength of 1 N/mm<sup>2</sup> (10 kg/cm<sup>2</sup>). Mximum humidity must be 5% máx.; measured with "Tramex" equipment or similar, measured at a depth of 2 cm, but the surface must not be wet. The product must not be applied on concrete surfaces subject to negative water pressures.  
Ceramic surfaces: Surfaces must be clean, dry and exempt from any contaminant.

We recommend that the technical data sheet is periodically checked to ensure that it is the most recent version. The company guarantees that its products conform to the specifications as detailed in the respective technical data sheets. The company cannot be held responsible for the consequences of technical information given prior to or after purchase of products which is merely of an advisory nature, given in good faith and to the best of its knowledge. Claims can only be accepted for products which do not conform to the purchase order. The company will, at its discretion, either replace the defective goods or reimburse the customer. The company cannot accept responsibility for any other loss or damage. All sales are subject to our general terms and conditions of sales that we advise to be read.

7F-240

**C-FLOOR E240 WB****Satin epoxy water based coating for floors and concrete surfaces**

Revision date: July 2012

**APPLICATION**

Add cure to resin solution and stir material for 5 minutes with power mixer and low revolutions. In confined areas ventilate with clean air Turing application and drying until solvents are removed.

**Environmental applications**

Temperature	10 - 40°C
Relative humidity	5 - 60%
Minimum surface temperature	3°C above dew point

C-Floor E240 WB must be applied in two coats. The second coat should be applied once the undercoat is completely dry.

Ventilation: It is essential to ensure good air circulation around the surface to be painted during application and drying. If not the case then the hardening of the product and its final characteristics (gloss, chemical resistance, etc.) could be seriously impaired. Air circulation speed of between and 0,1 and 0,5 m/sec is recommended.

Thinner	Water
Cleaner	Water

**ADDITIONAL INFORMATION**

**Curing mechanism** – By evaporation and chemical reaction between the components.

**Volatile Organic Compounds (COV)**

EU limit for this product (cat. A/j): 140 g/L  
This product contains max. 7 g/L COV. \*)

\*) The VOC value shown above refers to a ready for use product, as tinted, thinned, etc in accordance with our recommendations. We are not responsible for products obtained by mixing products with are different from those we have recommended and we must draw attention to the responsibility of anyone involved within the supply chain not to infringe Directive 2004/12/CE.

**Flash Point (Closed Cup)**

Resin	62°C
Cure	121°C
Thinner	Non flammable
Cleaner	Non flammable

**Packaging**

Resin	20 and 4kg
Cure	5 and 1 kg

**Storage**

1 year when stored indoors in original containers at 5 to 40°C

We recommend that the technical data sheet is periodically checked to ensure that it is the most recent version. The company guarantees that its products conform to the specifications as detailed in the respective technical data sheets. The company cannot be held responsible for the consequences of technical information given prior to or after purchase of products which is merely of an advisory nature, given in good faith and to the best of its knowledge. Claims can only be accepted for products which do not conform to the purchase order. The company will, at its discretion, either replace the defective goods or reimburse the customer. The company cannot accept responsibility for any other loss or damage. All sales are subject to our general terms and conditions of sales that we advise to be read.

**7F-240**
**C-FLOOR E240 WB**
**Satin epoxy water based coating for floors and concrete surfaces**

Revision date: July 2012

**NOTE**

It should be noted that two pack water based products unlike the equivalent solvent based materials, do not increase their viscosity when the pot-life has been exceeded, which may cause problems.

It is recommended therefore not to apply it beyond the time limit indicated in the technical data sheet, even though the mixture may appear to be in good condition, since its chemical and mechanical characteristics could be altered.

**APPROVALS**
**Fire Reaction**

Fire reaction classification according to European Norm EN 13501-1:2002 Bf1s1 (fire reaction with low smoke emission).

**Slip Resistance**

Resistant to slip with Class 1 according ENV 12633:2003 Annex A

Complies the general requirements applicable to food companies according Annex II, Cap. I and II of CE Regulations nº852/2004 from European Parliament and Council of 29.02.2004.

Classification "Zone Verde-Excell ®" nº2010-11-057 for indirect contact

**PROPERTIES**
**Water vapour permeability**

C-Floor E240 WB is classified as a paint permeable to water vapour or Class 1 according to European Norm EN-1504-2 Permeability to water vapour (NP EN ISO 7783-2).

$S_d = 0,6 \text{ m (170 } \mu\text{m)}$

**Chemical Resistances Table**

(1 week at 20°C and 50% HR)

	2 hours	1 day	1 week
Sulphuric acid (10%)	±	±	-
Acetic acid (10%)	±	±	-
Sodium Hydroxide (10%)	+	+	±
Sodium Hypochlorite (10%)	±	±	±
Oil's car	+	+	+
Brake fluid	+	±	±
Antifreeze	+	+	+
Diesel	+	+	+
Gasoline without lead	+	+	+
Xylene	+	+	+
Ethanol	±	±	±
Water	+	+	+

+ = Unaffected

± = Light superficial effect (hardness, colour or micro bubbling)

- = No resistance

We recommend that the technical data sheet is periodically checked to ensure that it is the most recent version. The company guarantees that its products conform to the specifications as detailed in the respective technical data sheets. The company cannot be held responsible for the consequences of technical information given prior to or after purchase of products which is merely of an advisory nature, given in good faith and to the best of its knowledge. Claims can only be accepted for products which do not conform to the purchase order. The company will, at its discretion, either replace the defective goods or reimburse the customer. The company cannot accept responsibility for any other loss or damage. All sales are subject to our general terms and conditions of sales that we advise to be read.

7F-240

**C-FLOOR E240 WB****Satin epoxy water based coating for floors and concrete surfaces**

Revision date: July 2012

**HEALTH, SAFETY AND THE ENVIRONMENT**

Protect the eyes and skin from contact, gloves, goggles and appropriate clothing should be worn. Keep out of the reach of children.

Use only in well ventilated areas. Do not empty into drains.

Keep the container properly sealed and stored in the correct place.

Take correct measures when transporting the product so as to avoid any accidents that could rupture the can or cause damage to the packaging.

Ensure that the container is correctly stacked in a safe area. Do not store or use the product in extreme temperature conditions.

Always take account of the appropriate legislation relating to the environmental and Health and Safety at Work.

For more information it is **essential to read the label on the container and the product MATERIAL SAFETY DATA SHEET of this product, its components and all complementary products referred on Technical Data Sheet.**

We recommend that the technical data sheet is periodically checked to ensure that it is the most recent version. The company guarantees that its products conform to the specifications as detailed in the respective technical data sheets. The company cannot be held responsible for the consequences of technical information given prior to or after purchase of products which is merely of an advisory nature, given in good faith and to the best of its knowledge. Claims can only be accepted for products which do not conform to the purchase order. The company will, at its discretion, either replace the defective goods or reimburse the customer. The company cannot accept responsibility for any other loss or damage. All sales are subject to our general terms and conditions of sales that we advise to be read.