

# EPOCOAT 210

## Epoxy Top Coat

### DATA SHEET 6/09

#### PROPERTIES AND RECOMMENDED USAGE

##### Paint type:

EPOCOAT 210 is a fast drying polyamide cured two-component epoxy top coat. It meets the Swedish standard SS 1852 02 for two-component paints.

##### Typical uses:

As a top coat in epoxy based paint systems in atmospheric corrosivity classes C2-C4 and C5-I/C5-M. Can be recoated also with polyurethane paints.

##### Most common SFS-EN ISO 12944-5 systems:

A2.06 EP120/2-FeSa2½  
 A3.11 EPZn(R)EP160/2-FeSa2½  
 A4.08 EP240/3-FeSa2½  
 A5I.02 EP320/4-FeSa2½

##### Chemical resistance:

Used in recommended paint systems and correctly applied EPOCOAT 210 withstands splashes and spillage of occasional water, oil and weak process chemicals.

##### Weather resistance:

EPOCOAT 210 will lose its gloss under the influence of UV-radiation, which also may cause slight yellowing in light colours.

#### TECHNICAL DATA

<b>Volume solids:</b>	approx. 53 vol. %
<b>Total mass of solids*:</b>	approx. 740 g/l
<b>VOC value*:</b> (Volatile organic compound)	approx. 420 g/l

(\*Values are calculated.)

##### Mixing ratio:

Resin 4 parts by volume  
 Cure 1 part by volume

##### Pot life: at +23°C

with Standard Comp.B: approx. 7 h after mixing  
 with S-Comp.B: approx. 3 h after mixing

Drying times: 70 µm	Standard Comp.B		S-Comp.B	
	+10°C	+23°C	+10°C	+23°C
Surface dry	2 h	½ h	½ h	15 min
To touch	10 h	4 h	8 h	2½ h
To recoat	10 h	3 h	8 h	2 h
Fully cured	12 d	7 d	12 d	7 d

##### Calculated theoretical coverage and recommended film thickness:

Dry	Wet	Coverage
50 µm	95 µm	10,5 m²/l
70 µm	135 µm	7,4 m²/l
80 µm	150 µm	6,7 m²/l

##### Practical coverage:

Depends on wind conditions, structure to be painted, roughness of the surface and application method.

**Colour:** RAL-, NCS-, KY-, SSG-colours  
 (with limitations)

**Thinner and cleaner:** OH 17

**Finish:** Semi gloss

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### APPLICATION INSTRUCTIONS

**Surface preparations:**

Dust, oils, grease and other foreign matter that could prevent adhesion should be removed using a suitable method (SFS-EN ISO 12944-4)

**Primer:**

EPOCOAT 21 PRIMER, EPOCOAT 21 HB, NORMASTIC 405

**Top Coat:**

EPOCOAT 210

**Environmental conditions during application:**

The surface should be dry and clean. During application and drying time the temperature of the paint, air, and surface should be above +10°C and the relative humidity below 80 %. The surface temperature should be min 3°C above the dew point of the air. Exhaust gases during drying time may cause yellowing of the paint film.

**Method of application:**

Use airless spray or brush. Stir resin and cure separately and then mix both components thoroughly. The mixing ratio is 4:1 (resin:cure) by volume. If needed, 0-10 % thinner (OH 17) may be added. High pressure airless spray with a nozzle tip of 0,013" - 0,015" orifice. Spray angle depending on the object to be painted.

### SAFETY

Please follow the environmental and safety instructions displayed on the container and Safety Data Sheet.

Use under well ventilated conditions. Do not breathe or inhale mist, use respirator mask. Avoid skin contact. Spillage on the skin should immediately removed with suitable cleanser, soap and water. In case of contact with eyes, rinse immediately with plenty of clean water and if necessary seek medical advice.

For specific information on hazardous constituents and more detailed safety measures see Safety Data Sheet.

### DISCLAIMER

The above information is given to the best of our knowledge based on laboratory tests and practical experience. However, as the paint is often used under conditions beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without notice.