

REAL CP 190 – SOLVENT-FREE FLAKE EPOXY SELF-LEVELLING COATING

PRODUCT DESCRIPTION

EPOXY CP 190 is a two-component, solvent-free, epoxy resin-based, semi-gloss coating with high adhesion strength, suitable for use as both an intermediate coat and a topcoat.

TECHNICAL PROPERTIES

Appearance	Semi-Gloss
Color	Colored or Transparent
Density (g/ml at 20°C)	1,40 ± 0,05
Mixing Ratio (by weight)	Component A: 8.00 parts Component B: 2.00 parts
Solid Content (w/w)	% 96 ± 2
Nozzle (inch)	0.019 – 0.023"
Application Method	Airless Spray, Air Spray, Brush, Roller
Pot Life (20°C)	20-25dk.
Full Cure (days at 20°C)	4-6 days



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	DRYING INFORMATION (100 microns DFT)		
	Touch Dry	Hard Dry	Recoat Interval (Minimum)
-5°C	12 hours	29-30 hours	24 hours
0°C	9 hours	20-21 hours	18 hours
5°C	6 hours	13-14 hours	12 hours
15°C	120-160 minutes	5-6 hours	3,5 hours
25°C	80-100 minutes	3-4 hours	2 hours
35°C	60-80 minutes	1,5-2 hours	1,5 hours

CONSUMPTION Wet Film Thickness (μ)	Dry Film Thickness (μ)	Theoretical Consumption $\pm 10\%$ (kg/m ²)
420	385	0,600

NOTE: Drying time increases as the application thickness increases.

APPLICATION AREAS AND FEATURES

EPOXY CP 190 is a two-component, solvent-free, epoxy resin-based, semi-gloss coating with high adhesion strength, suitable for use as both an intermediate coat and a topcoat.

It can be safely used in factories, assembly workshops, warehouses, aircraft hangars, retail areas, parking garages, food production facilities, water tanks, hospitals, chemical and pharmaceutical plants, power plants, and all industrial areas requiring high hygiene standards. It provides excellent adhesion to various substrates, including plastered surfaces.

Thanks to its special anti-corrosive pigments, it offers a wide range of applications. It exhibits excellent physical and chemical resistance, high abrasion resistance, and is easy to clean, ensuring long service life.

Its ability to cure at low temperatures allows reliable application even under challenging environmental conditions. With high anti-corrosive performance, fast recoat intervals, and short drying times, it is an ideal solution for projects requiring rapid completion.

SURFACE PREPARATION

The surface to be coated must be completely free from dirt, oil, grease, and all contaminants, and must be clean, dry, sound, and structurally stable. On previously painted surfaces, all loose, blistered, flaking, or poorly adhered paint layers must be completely removed.

Rust, burrs, laitance, and weak surface layers shall be removed in accordance with the **SA 2½** standard using diamond-tipped mechanical equipment. Following surface preparation, all dust and residues must be thoroughly removed using an industrial vacuum cleaner.

All existing cracks, voids, and surface irregularities must be repaired with **REAL GR 900 Mortar** prior to application, ensuring the surface is fully prepared and suitable for coating.

PRODUCT APPLICATION

EPOXY CP 190 must be mixed by stirring **Component A and Component B separately** until each becomes homogeneous prior to application. The product is then mixed with its designated hardener at the specified ratio to obtain a completely homogeneous mixture.

The prepared mixture is applied at a consumption rate of **0.600 kg/m²** onto surfaces previously primed with **Real Resin 360**. After application, **0.500–0.700 kg/m²** of chips/flex flakes are evenly broadcast onto the surface.

On the following day, excess chips/flex flakes are swept and removed from the surface. Once cleaning is completed, the system is finalized by applying **Real 380 Ultra UV Clear Coating** at a consumption rate of **1,200 kg/m²**.

APPLICATION CONDITIONS

Application must be carried out on clean and dry surfaces where the surface temperature is above the dew point temperature in order to prevent the risk of condensation. The product temperature should be between 20–35°C.

In applications using very long spray hoses, or when the product temperature falls below 15°C, thinning may be required. This may result in reduced film thickness and extended drying time.

ENVIRONMENTAL CONDITIONS

The ambient temperature should be between **+5°C and +35°C**. Application must not be carried out when the relative humidity exceeds **80%**. To prevent surface condensation, the surface temperature must be at least **3–5°C above the dew point**.

It should be noted that material consumption may increase when application is carried out under windy conditions. The surface temperature must be a minimum of **-5°C** and a maximum of **45°C**.

PACKAGING

One bucket of **REAL CP 190 Component A: net 16.00 kg**
One gallon of **REAL CP 190 Component B: net 4.00 kg**

SHELF LIFE

The material must be stored in its original, unopened packaging in a cool and dry place. The shelf life of the product is **12 months for both Component A and Component B** when stored under these conditions.



HEALTH AND SAFETY INFORMATION

For necessary safety rules and warnings, please refer to the **MSDS (Material Safety Data Sheet)**. The minimum safety precautions to be observed are as follows:

- Contact of the coating with skin and eyes must be prevented by using protective gloves, safety goggles, face masks, and industrial barrier creams.
- Adequate ventilation must be ensured during application and until the coating has fully dried.
- In case of skin contact, wash immediately with warm water and soap or an industrial-grade cleanser. If the product comes into contact with the eyes, rinse thoroughly with clean water for at least **10 minutes** and seek medical attention immediately.
- As such materials may contain flammable components, they must be kept away from sparks and open flames. Smoking must not be permitted in the application area.
- All warning labels and instructions on the containers must be carefully read and the recommended working practices must be strictly followed.

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*The information provided herein is based on our laboratory tests and research conducted under normal conditions. Our company shall not be held responsible for results obtained under improper application conditions. We reserve the right to amend this information without prior notice. For further details, please contact **R.Y.K.**

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