

TECHNICAL DATA SHEET

EPOFLEX

Two-component waterborne epoxy enamel paint



PRODUCT DESCRIPTION

Two-component waterborne epoxy-based enamel paint with satin effect finish. It guarantees high performance in terms of resistance and durability, even when applied to interior floors subject to the passage of heavy vehicles.

INTENDED USE

Destination:

Interiors

Specific for:

Cement based floor surfaces of industrial buildings, garages, schools...

SURFACE PREPARATION

The correct surface preparation of the substrate will guarantee the best results in terms of product yield, appearance and resistance in time of the finish

Before proceeding with the application of the product, it is essential to check there is any humidity existing in the substrate. The humidity rate must be less than 4% whether the surfaces are new or already painted. If a hygrometer is not available, then the feasibility test should be carried out empirically. To perform such a test, place a sheet of polyethylene over some significant parts of the surface and fix it along the edges so that there is no passage of air. After 48 hours, remove the sheets and check if the previously covered portions of floor have changed color due to the presence of humidity. If no color variations are observed, the support may be painted.

For new surfaces, if spots of color-changes are noted, wait for the complete maturing of the support and recheck.

In case of persistent rising humidity and poor insulation of the support, being it either new or old, do not proceed with the work.

CEMENT, GYPSUM AND PLASTERBOARD SURFACES

- **New unpainted surfaces** Clean the surface and remove all possible traces of dust or dirt. Wash the floor with a 10% muriatic acid solution, leaving it to act until the acid fully completed its reaction. Wash with water and let dry. Any cracks or fissures in the substrate must be treated with suitable mortars to make the substrate perfectly homogeneous.
- **Previously painted surfaces:** Check that the state of the existing substrate or paintwork is in excellent condition and clean the surface to remove all possible traces of dust or dirt. If the surface shows signs of defects, such as peeling or chalking, remove any loose parts that would compromise the correct adhesion of the product. Wash the floor with a 10% muriatic acid solution, leaving it to act until the acid fully completed its reaction. Wash with water and let dry.
Any repair work required must be previously carried out with appropriate epoxy mortars.

Additional information:

- The nature of the support can change the final appearance of product.

INSTRUCTIONS FOR USE




Tools used for application

- Brush
- Roller

APPLICATION METHOD

- After carefully mixing together part A with part B, dilute the product with 30% to 40% water for the first coat and 10% to 15% for the second coat. It is necessary to apply at least two coats to in order to ensure the ideal resistances.
- The product, once mixed must be used within a maximum of 2-3 hours depending on the temperature. The pot-life of the product, that is the maximum time within which the product must be used, decreases with the increase in ambient temperature. It is absolutely necessary to respect the indicated time, otherwise you will compromise the surface hardness of the film and have less resistant to abrasion and to water, as well as a more opaque appearance of the film.
- Catalysis ratio:
PART A (Epoflex Base) **4 Kg** : PART B (Epoflex Catalyst) **1.6 Kg**.

TECHNICAL SPECIFICATIONS

	Indicative spread rate per coat (m ² /ℓ)	-	-	10 to 12
	Thinning (%)	-	water	30 to 40 for first coat 10 to 15 for second coat
	Touch dry (at 25°C)	-	hours	12

The information reported herein is the result of our best experience and technical knowledge to date and is given in good faith and for guidance only. ADICOLOR cannot be held responsible for the actual use of the product since the application is influenced by many factors and is carried out beyond our control. The data and information herein may be subject to changes, even without notice, as a result of any technical development.
This technical data sheet cancels and replaces any existing previous version.

■	Totally dry	-	hours	48 (before passing over the floor)
🧤	Recoat time	-	hours	24
🗑️	Density (kg/ℓ, ±0.02)	ISO 2811	at 20°C	White: 1.450 Red / Grey: 1.500
●	Viscosity Brookfield (mPa·s)	ISO 2555	at 20°C	4,000 to 6,000
pH	pH value (±0.5)	-	-	10.5
⊙	Solid contents by weight (% , ±1)	-	-	60

* the data herein reported refer to measurements made at the end of the production process.

TOOL CLEANING

- Clean working tools immediately after use with soap and water.

WARNINGS AND ADDITIONAL INFORMATION

- Do not apply with air and surface temperatures below 5°C and above 28°C.
- The drying times indicated may vary in relation to the relative humidity and the existing temperature.
- Carefully verify spread rates and the surface area to be coated to avoid running short of product during the working process. This will also reduce the risk of eventual differences in tones.
- The spread rates and yields of the product are given as guidance only and may vary notably according to the substrate condition and the application method used.
- Stir the product thoroughly before use.
- Remove masking tapes before total drying of the product.
- It is recommended to always carry out a sample test on the specific surface before starting the final work.

HANDLING AND STORAGE

- Consult the relative **Safety Data Sheet** for the detailed user's health and safety information.
- Use the product in accordance with your current health and safety legislation regulations in force.
- Do not disperse the packaging in the environment
- Store the undiluted product, in original well sealed containers, in a cool and dry area, sheltered from frost and sources of heat.
- Protect the product at all times from freezing.

COLORS

Colors available:

- White
- Grey RAL 7038
- Red Oxide RAL 3009

Product included in the Adicolor tinting system:

- White (= White Base)
- Medium Base
- Neutral Base

Reference color-guides	<ul style="list-style-type: none">▪ Adicolor fan-deck "Le sensazioni del colore"▪ RAL®
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- If the product requires coloring, be sure to use product bases and colorants belonging to the same batch number for the same job to avoid slight variations in color from showing.
- When using multiple cans for the same job, we recommend to mix the relative products together before use. We also recommend to use products from the same batch numbers for the same application area.
- The colors presented in our catalogues are for guidance only, even when true product applications are shown. Colors may vary notably in relation to the application, the substrate, light reflectance and the environment.
- It is recommended to test and validate colors before carrying out the final job in order to avoid any disputes.