

EPOXICOLOR MULTI-SYSTEM®

High chemical resistance epoxy flooring for industrial buildings, offices, shops, car parks, etc. Available in a multitude of finishes.



WARNING:

- ◆ The **EPOXICOLOR MULTI-SYSTEM** is easy to use, but must be applied by skilled professionals.
- ◆ The **EPOXICOLOR MULTI-SYSTEM** cover different types of flooring: choose the most appropriate according to the specific aesthetic and/or physical resistance requirements.
- ◆ Do not apply without prior adequate preparation of the support.
- ◆ Do not dilute any of the products: they are ready-dosed.
- ◆ For use only with the supports specified in this data sheet.
- ◆ Not for exterior use: UV rays do not alter its properties, but they do cause bleaching.

FIELDS OF APPLICATION

- ◆ **EPOXICOLOR MULTI-SYSTEM** provides different proposals for technical and aesthetic floorings covering a very broad spectrum of applications.
- ◆ All offer excellent resistance to **transit, chemicals, mechanical wear and abrasion**, as well as to low temperatures and **wear** in general.
- ◆ They are ideal for **workshops, warehouses, stock rooms, public premises, chemical industry installations, food industry installations, mechanical workshops, garages, public and private car parks, coldrooms, clothing shops, hotel foyers, stadium foyers, arcades, nurseries, etc.**
- ◆ **EPOXICOLOR MULTI-SYSTEM** offers a wide range of smooth, non-slip finishes apt for barefoot use or for use with shoes.
- ◆ When applied as paint, **EPOXICOLOR** provides resistance to chlorinated water in overflow gutters and regulating tanks.

HOW TO USE

- ◆ **Preparing the support surface:**
The secret of the success of a continuous resin flooring lies in the correct, rigorous **prior preparation of the support**. To do so, the following points **must be observed**:
a.- fresh concrete: wait for it to harden completely (at least 30 days). Humidity must be <4% of weight. Old concrete: make sure that the humidity is <4% of weight. (use hygrometer).
b.- the surface may be prepared chemically, mechanically or by using a combination of both techniques:
Chemical preparation: clean the whole surface with a dilution of **GRESNET** and water (1 part **GRESNET** to 5 parts water). Spread, rub, collect and finally rinse the whole surface with abundant water. **Leave to dry completely.**
Mechanical preparation: depending on its condition (painted, rough, peeling,...), the surface must be shot-peened, sanded or burred.

◆ Environmental conditions:

The minimum application temperature is +10°C, considering that the ground temperature will be at least +3°C above dew point.

◆ Full range of products providing different aesthetic and technical solutions for all EPOXICOLOR MULTI-SYSTEM systems:

**EPOXICOL
EPOXICOLOR
PROMOTOR T
CUARZOFILLER A**

- ◆ **EPOXICOL:** chipped or damaged areas in concrete must be filled with thixotropic epoxy mortar, such as **EPOXICOL**, and mechanically sanded once dry.



- ◆ **EPOXICOLOR: epoxy** with a multitude of potential applications:
 - a.- applied undiluted with a roller as an **epoxy paint**.
 - b.- applied undiluted with a rubber squeegee as an **epoxy sealant** for non-slip flooring.
 - c.- mixed with **CUARZOFILLER A** as a **self-levelling epoxy mortar** for application with a notched trowel and a spiked roller.
- ◆ **EPOXICOLOR PIGMENTO**: coloured paste which may be added to neutral epoxy **EPOXICOLOR**.
- ◆ **PROMOTOR T**: powder additive for mixing with **EPOXICOLOR** to thicken it.
- ◆ **CUARZOFILLER A**: a mixture of **special particles** for addition to **EPOXICOLOR** in order to obtain self-levelling mortars for application with notched trowels and spiked rollers.

CONSUMPTION:

Consult the consumption of the different products in the General Catalogue of industrial applications according to the adopted MULTI-SYSTEM solution.

TECHNICAL DATA

EPOXICOLOR MULTI-SYSTEM

STANDARDS:

EN 13.813 & EN 1504-2

PRODUCT:

- Type: SR - B1,5 - AR0,3 - IR14 ; C - PR(5/5.1)
- Flammable: No
- Toxicity: Avoid contact with eyes and skin.

Always use gloves during application. Protective goggles are also recommended. In case of contact with skin wash off with abundant soap and water. In the event of contact with the eyes, wash thoroughly with running water and consult a doctor.

- Solvent content: 0%

APPLICATION:

- Support temperature: from +10°C to +30°C and always 3°C above the dew point.
- Humidity of the support: <4% parts weight measured with hygrometer and without ascending humidity
- Application temperature: from +10°C to +30°C
- Maximum relative humidity: 80%
- Pot life: 30 minutes
- Waiting time between coats for the application of **EPOXICOLOR**: at +10°C min. 24 h, depending on the on-site ventilation and the relative humidity of the atmosphere, making it necessary to use a hygrometer to check that the humidity between the layers is always <4% before applying the following layer.

FINAL PERFORMANCE:

- Waiting time before use:
 - at +10°C 72h pedestrian use - 6 days light use - 10 days intensive use
 - at +20°C: 24h pedestrian use - 4 days light use - 7 days intensive use
 - at +30°C: 18h pedestrian use - 2 days light use - 5 days intensive use
- Slip resistance (EN 12633): from Class I to Class III
- Thermal resistance with wet heat: at +80°C for steam cleaning
- Chemical resistance: to inorganic acids up to 20% (*)
to inorganic bases
to solutions of non-oxidizing inorganic salts with pH between 6-8
- Fire resistance (EN 13501-1): F
- CE certification:
 - Type: SR : self-levelling synthetic resin paste
 - Abrasion resistance (EN -13892): type AR 0.3 ; <3000mg H22/1000
 - Adherence (EN-13892-8): type B 1.5 ; >2,0 N/mm²
 - Shock resistance (EN -6272): type IR 14 ; Class III
 - Capillarity absorption & permeability to water: w < 0,1 kg/m²·h^{0,5}

STORAGE:

Protected from heat and frost: 2 years

PRESENTATION:

EPOXICOLOR: in 18.54 Kg./9.27 Kg.
EPOXICOLOR PIGMENTO: in 1.46 Kg./0.73 Kg.
PROMOTOR T: in 0.1 and 0.2 Kg.
CUARZOFILLER A: in 20 Kg.

(*) = except hydrofluoric acid and oxidizing acids and their salts.