

# DUROEPOXY



Two-component epoxy paint with solvents



## PROPERTIES

High strength, solvent based, two-component epoxy paint. It is highly durable and resistant to abrasion, chemicals and corrosive liquids. It is uniquely durable to mineral oils, both salt and chlorinated water, but also extreme weather conditions. It has high adhesion strength to concrete and plaster, iron, wood, MDF etc.

## APPLICATIONS

DUROEPOXY of DUROSTICK efficiently protects and decorates cementitious surfaces. Surfaces such as industrial floors, wineries, dairy plants and cheese factories, kitchens, as well as slaughterhouses, gas stations, repair shops, car washes and garages. It is suitable for metal staircases and silos, bridges and ships, as well as lofts made of chipboard, MDF etc. Paint with DUROEPOXY for the absolute protection of water tanks, fountains and pools.

## USE

### 1. Surface preparation

Proper preparation of the substrate is crucial for a successful end result.

**Cementitious surfaces:** Concrete categories have to be at least C20/25. Cement screeds have to contain, at minimum, 350kg/m<sup>3</sup> cement. In cementitious substrates, the moisture content cannot exceed 4% and at least 30 days have to pass from their construction. Remove oils, loose materials, dust and apply the special primer DUROEPOXY PRIMER, diluted up to 5% with THINNER 201 of DUROSTICK.

**Steel surfaces:** Begin to clean all surfaces with mechanical means, as needed. Continue cleaning by removing any rust and oils. Finish the preparation by using a soft cloth soaked with THINNER 201 to complete the cleaning process.

### 2. Application

Empty the contents of container B into container A and mix with a low-rpm drill for 2 minutes. In order for the two components to be mixed thoroughly, mixing should also be done both on the

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walls as well as at the bottom of the container to ensure complete homogenization of the 2 components. Apply DUROEPOXY PRIMER first. Within the next 24 hours of applying the primer, and after it has dried completely, apply DUROEPOXY. Dilute it up to 5% with THINNER 201 of DUROSTICK when applying it by roller or brush. Dilute it up to 10% when applying it using a sprayer, and apply at least 2 coats. Apply the second coat after the first one has completely dried, but always within the next 36 hours.

### CLEANING

Clean all tools with THINNER 201 of DUROSTICK, immediately after use.

### CONSUMPTION

1kg/4-5 m<sup>2</sup> per coat, on properly prepared surfaces.

### STORAGE

Store in dry places, for at least 12 months from production date.

### SAFETY DIRECTIONS

The product is classified as highly flammable and harmful. It is recommended to keep away from the reach of children and apply it in well ventilated areas. Before use, refer to the cautions on the product packaging or the Material Safety Data Sheet.

### NOTES

- Epoxy systems are sensitive to ambient temperature and humidity, until their final cure. Pot life is reduced with increased ambient temperatures. Dull or discolored spots appear on the surface and curing time increases at high humidity conditions.
- Chalking (surface deterioration) is a typical problem of all epoxy systems applied on exterior surfaces. Restore surfaces just by recoating them with DUROEPOXY FLOOR PRIMER SF once a year.
- After mixing the two components, the mixture temperature increases.
- After hardening, the product is harmless to health and the environment.

### Pools can be used:

Seven days after their painting and once the product is fully cured.

### PACKAGING

4kg container (A: 3.0kg, B: 1.0kg)

TECHNICAL SPECIFICATIONS	
<b>Chemical base</b>	Two-component epoxy resin
<b>Colors</b>	(A) White, Light blue, Gray (B) Transparent, off yellow
<b>Mixture density</b>	1.40±0.05kg/lit
<b>Mixing ratio A/B</b>	3:1 by weight
<b>Pot life</b>	5-6 hours at +20°C
<b>Application temperature</b>	From +10°C to +35°C
<b>Recoating time</b>	At least after 7-9 hours
<b>Drying time</b>	1-2 hours (touch dry), depending on the ambient temperature and humidity
<b>V.O.C. (Volatile Organic Compounds):</b> Limit value of maximum content of V.O.C. per EC (Directive 2004/42 / EC) for this product (category A/j: 'Two-pack performance coatings', type SB): 500gr/lit (2010). The ready to use product (A+B mixture) contains maximum 485gr/lit V.O.C.	

### DUROSTICK S.A.

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