

6.8 Two component epoxy & polyurethane systems

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 and wood as well as MDF etc.

APPLICATIONS

DUROEPOXY of DUROSTICK efficiently protects and decorates cement based 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/m³ cement. In cementitious substrates, the moisture content cannot exceed 4% and at least 30 days have to pass from their construction. Remove any oils, loose materials, or dust from the substrate.

Dilute the special purpose primer, DUROEPOXY PRIMER, up to 5% with THINNER 201 DUROSTICK, and apply a coat.

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.

Mix for about 5 minutes with a low rpm electric mixer until the mixture is completely homogeneous. 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 m² per coat, on properly prepared surfaces.

STORAGE

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



AVAILABLE COLORS ○ ● ●

TECHNICAL SPECIFICATIONS

Chemical base	Two component epoxy resin
Colors	(A) White, Light blue, Gray (B) Transparent, off yellow
Mixture density	1.40±0.05 kg/lit
Mixing ratio A/B	3/1 by weight
Pot life	5-6 hours at +20 °C
Application temperature	From +10 °C to +35 °C
Recoating time	At least after 7-9 hours
Drying time	1-2 hours (touch dry), depending on the ambient temperature and humidity

V.O.C. (Volatile Organic Compounds):

Limit value of maximum content of V.O.C. per EC (Directive 2004/42 / EC) for this product (category AI): "Two-pack performance coatings", type SB): 500 gr/lit (2010). The ready to use product (A+B mixture) contains maximum 485 gr/lit V.O.C.

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 outdoor surfaces. Restore surfaces just by recoating them with DUROEPOXY PRIMER once a year.
- After mixing of the two components, the mixture temperature increases.
- After curing, the product is harmless to health and the environment.

Pools can be used:

- 2 days after painting, at ambient temperatures above 20 °C.
- 4 days after painting, at ambient temperatures below 20 °C.

PACKAGING

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

