

6.8 Two component epoxy & polyurethane systems

DUROEPOXY FLOOR PRIMER SF Two component epoxy primer without solvents

PROPERTIES

High quality, two component, clear epoxy primer without solvents. Distinguished for its exceptional penetrating ability and superb surface hardness, which gives it great resistance to abrasion.

Highly durable and resistant to chemicals, acids and alkalis. It is uniquely durable to mineral oils, both salt and chlorinated water, but also extreme weather conditions.

Its application stabilizes the substrate resulting in unbreakable adhesion to DUROEPOXY FLOOR SF, the two component epoxy paint without solvents. Classified SR-B2, 0-AR0,5-IR4, per EN 13813.

APPLICATIONS

DUROEPOXY FLOOR PRIMER SF offers complete protection and the necessary preparation work before applying DUROEPOXY FLOOR SF, the two component epoxy paint without solvents. Recommended as an undercoat for uncoated (bare) metal and wood floor surfaces such as sheet metal (diamond plate), MDF or chipboard.

Use it for the stabilization and waterproofing of new or existing concrete substrates.

Substrates like industrial floors and storage areas, garages, and gas stations. Use it for wineries, dairy plants and cheese factories, kitchens, as well as slaughterhouses, car washes and repair shops.

It creates an abrasion resistant surface that does not dust over time. Ideal as a top/finish coat after the application of ANTI-SLIP, the slip resistant mortar for floors, in areas with strict hygiene requirements.

Ideal combination of non-skid flooring and hygiene (p. 236).



USE

1. Surface preparation

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

Cementitious surfaces: Substrates must be completely dry, clean, and free from loose materials, dust and form-work oils, if any.

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.

Apply DUROEPOXY FLOOR PRIMER SF in a single coat.

Metal surfaces: Recommended for metal floor surfaces with exceptional abrasion resistance.

Wood surfaces: Effective and affordable solution for loft and attic floorings with exceptional waterproofing properties.

2. Application

Empty the contents of container B into container A. Mix for about 2 minutes with a low rpm electric mixer until the mixture is completely homogeneous. Apply DUROEPOXY FLOOR PRIMER SF in a single coat.

CLEANING

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

CONSUMPTION

200-300gr/m² per coat, on properly prepared surfaces, depending on their absorbency.

STORAGE

Store in tightly closed containers, in dry and shaded places, for at least 12 months from production date.



TECHNICAL SPECIFICATIONS

Chemical base	Two component epoxy resin without solvents
Color	Transparent
Mixture density	1.05 ± 0.04kg/lit
Mixing ratio A/B	100/55 by weight
Pot life	40-50 minutes at +20 °C
Application temperature	From +10 °C to +35 °C
Recoating time	At least after 20 hours
Drying time	Approximately 24 hours, depending on the ambient conditions (temperature, 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 A1): 'Two-pack performance coatings', type SB): 500 gr/lit (2010). The ready to use product (A+B mixture) contains maximum 0 gr/lit V.O.C.

Certified by the State General Laboratory with Protocol Number 04019/015/000. It fully complies with the conditions of the Regulation (E.C.) 1935/2004 & 1895/2005 and Article 28 of the Food and Drinks Code.

SAFETY DIRECTIONS

The product is classified as irritant. It is recommended to keep away from the reach of children. 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 temperature. 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 FLOOR PRIMER SF once a year.
- After mixing of the two components, the temperature of the mixture increases.
- After curing, the product is harmless to health and the environment.

PACKAGING

5kg container (A=3.20kg, B=1.80kg)