

DUROEPOXY FLOOR SF



Two-component epoxy paint, without solvents



■ PROPERTIES

Highly durable self leveling, white or colored, epoxy paint without solvents. Exceptionally durable and resistant to abrasion, strong acids and alkalis, solvents and mineral oils, salt or chlorinated water, as well as extreme weather conditions.

It creates a surface that is distinguished for its high hardness, and its zero absorbance that does not favour bacterial growth. Its properties make it uniquely suitable for areas subjected to strict hygiene standards. It remains unaffected to temperatures ranging from -30°C to +100°C under dry conditions and to +60°C in wet conditions.

Classified SR-B2, 0-AR0, 5-IR4 per EN 13813.

■ APPLICATIONS

DUROEPOXY FLOOR SF is applied as brushable coating on flooring projects with specifications that require high mechanical and chemical strengths. Apply it on cementitious substrates such as cement screeds, concrete and asbestos/concrete slabs. It effectively protects and decorates cementitious industrial floors in hospitals, wineries, dairy and cheese factories, kitchen floors, laboratories,

slaughterhouses, laundries and garages, car repair shops gas stations, swimming pools and fountains, etc.

Surfaces protected by DUROEPOXY FLOOR SF, may come in direct contact with raw food. 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.

Apply it on metal and wood surfaces, after priming them with DUROEPOXY FLOOR PRIMER SF. Surfaces such as floors made of sheet metal, MDF or chipboard. Broadcast the fresh surface with QUARTZ SAND of DUROSTICK, with grain size of 0.01-0.5mm, to create a non-slip surface.

■ USE

1. Surface preparation

Proper preparation of the substrate is crucial for successful results.

Cementitious surfaces

Concrete category has to be at least C20/25. Cement screeds have to contain, at minimum, 350kg/m³

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cement. In cementitious substrates, the moisture content cannot exceed 4% and at least 30 days have to pass from their construction.

Non-porous substrates have to be prepared by grinding, surface stripping or sand blasting to become porous. These procedures will allow for the impregnation of DUROEPOXY FLOOR PRIMER SF, thus ensuring perfect grip of the epoxy paint.

All application surfaces have to be clean, completely dry and free from loose sections, dirt and fats. Mix DUROEPOXY FLOOR SF with the QUARTZ SAND, with grain size of 0.01-0.5mm, at a ratio of 1:1.5 to 1: 2 to fill any imperfections (holes, cracks).

Metal surfaces

All surfaces have to be clean, completely dry and rust free. Prime with DUROEPOXY FLOOR PRIMER SF and once dry, apply DUROEPOXY FLOOR SF.

Wood surfaces

All surfaces have to be clean, completely dry and porous. Remove any surface coatings, whether it is paint, wood preservative or varnish by sanding or using DUROSTICK D-26, the corrosive and paint remover. Fill any defects (holes, cracks) using DUROWOOD, the wood putty of DUROSTICK. Effective and affordable solution for loft and attic floorings with exceptional waterproofing properties.

2. Application

Mix component A by itself before adding it to component B. Empty container B into container A and mix with a low rpm electric mixer for 5 minutes at the slowest speed possible. In order for the two components to be mixed thoroughly, mixing should also be done both on the walls as well as at the bottom of the container to ensure complete homogenization of the two components.

For smooth surface: The mixture is applied with a roller, for a uniformed and even distribution on the surface, in two coats.

Continue with the second coat after the first one is dry, but always within the next twenty four hours.

For slip resistant surface: Initially, pour the mixture onto the primed floor and spread it using a floor squeegee.

Use a spiked roller and distribute the fresh mixture evenly on the surface and eliminate the air bubbles that may have been trapped. While the mixture is still fresh, broadcast/disperse QUARTZ SAND of DUROSTICK. Broadcast as much sand as needed to achieve the desired non-slip result.

Twenty four hours later remove any loose sand grains with a shop vacuum. Once clean, apply the final topcoat that seals the surface and creates the perfect non-slip floor. In both cases, it is recommended to use the spiked roller and wear spiked shoes.

■ ADVANTAGE

DUROEPOXY FLOOR SF has an advantage over other floor coating solutions, as it is more affordable, easy to apply and delivered immediately for use.

■ 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.
- After mixing the two components, the mixture temperature increases.
- 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.

■ CLEANING

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

■ CONSUMPTION

Smooth surface: 250-300gr/m² per coat.

Non-slip surface: 400-600gr/m² per coat.

■ STORAGE

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

■ SAFETY DIRECTIONS

The product is classified as an irritant.

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It is recommended to keep away from the reach of children. Before use, refer to the cautions on the product's packaging or the Safety Data Sheet.

■ PACKAGING

10kg container (A: 8kg, B: 2kg)

TECHNICAL SPECIFICATIONS	
■ Chemical base	Two component epoxy resin without solvents
■ COLORS	
• WHITE	
• RAL 7032	Sand gray
• RAL 7035	Light gray
• RAL 7040	Gray
• RAL 3009	Oxide red
• RAL 1015	Beige
• RAL 1013	Light beige
• RAL 6021	Pale green
• RAL 5024	Pastel blue
■ Mixture density	1.50±0.05kg/lt
■ Mixing ratio A:B	100:25 by weight
■ Pot life	40-50 minutes at +20°C
■ Application temperature	From +10°C to +35°C
■ Recoating time	24 hours
■ Foot traffic	Approximately 24 hours, depending on the ambient temperature and humidity
■ Additional RAL colors are available by special order only. Minimum quantity for any order is 125kg.	Minimum quantity 125kg

MECHANICAL STRENGTHS

■ Strength per (DIN EN 196-1) after 7 days at 23°C in:

• flexion	31.50 N/mm ²
• compression	51.50 N/mm ²

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

Limit value of maximum content of V.O.C. per EU (Directive 2004/42/CE) for this product (category A/j: 'Two-pack performance coatings', type SB): 500gr/lt (2010). The ready to use product (A+B mixture) contains maximum 0gr/lt 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.

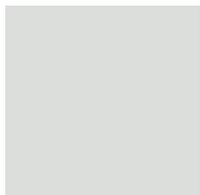
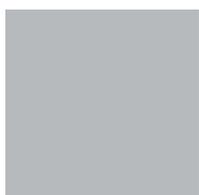
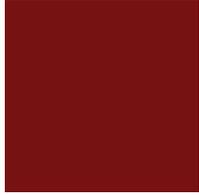
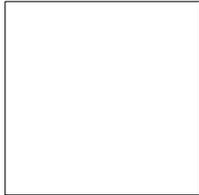
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COLOR CHART 9 AVAILABLE COLORS

 <p>RAL 1015 BEIGE</p>	 <p>RAL 1013 LIGHT BEIGE</p>	 <p>RAL 7032 SAND GRAY</p>
 <p>RAL 7035 LIGHT GRAY</p>	 <p>RAL 6021 PALE GREEN</p>	 <p>RAL 7040 GRAY</p>
 <p>RAL 5024 PASTEL BLUE</p>	 <p>RAL 3009 OXIDE RED</p>	 <p>WHITE</p>

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