

DUROEPOXY FLOOR SF



Brushable two-component epoxy paint without solvents



PROPERTIES

Highly durable self levelling, 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 applies 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, dairies and cheese factories, kitchen floors, laboratories, slaughterhouses, laundries and garages, car repair shops gas stations, swimming pools and fountains, etc. Surfaces coated with DUROEPOXY FLOOR SF, may come in direct contact with raw food products. 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 first with DUROEPOXY FLOOR PRIMER SF for example floors made of sheet metal, MDF or chipboard (pic.5). Broadcast with QUARTZ SAND of DURORSTICK, with grain size of 0.01-0.5mm, to create a non-skid surface.

USE

1. Surface preparation

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

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Cementitious surfaces: Concrete categories have to be at least C20/25. The participation of cement in the cement mortar should be 350kg/m³, the humidity should not exceed 4% and at least 30 days have passed since 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 adhesion of the epoxy paint. All application surfaces have to be clean, completely dry and free from loose material, dirt and oils. Mix DUROEPOXY FLOOR SF with 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

Empty the contents of container B into container A and mix with slow-rpm drill for 5 minutes. 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 2 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, the mixture is poured onto the primed floor and spread it using a floor squeegee. Use a spiked roller and spread 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 onto the still fresh coat

QUARTZ SAND of DUROSTICK. Broadcast as much sand as needed to achieve the desired anti-skid 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 offers the perfect anti-skid floor. In both cases, it is recommended to wear spiked shoes.

ADVANTAGE

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

NOTE

- 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
- After mixing of the two components, the temperature of the mixture 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.
- After hardening, the product is harmless to health and the environment.

CLEANING

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

CONSUMPTION

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

Anti-skid surface: 400-600gr/m² per coat.

STORAGE

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

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.

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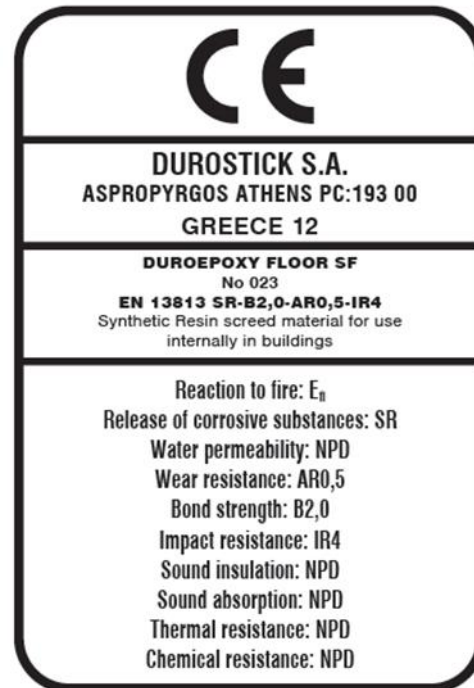
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PACKAGING

10kg container (A: 8.0kg, B: 2.0kg)



DUROEPOXY FLOOR SF
*is available in WHITE
and 8 RAL colors. The rest of the
RAL color chart is available
by special order*



DUROSTICK S.A.

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