

DECOFIN EPOXY SF



Two-component epoxy varnish with gloss finish for microcement and natural stones



PROPERTIES

High strength, two-component gloss epoxy varnish, without solvents. It is highly resistant to abrasion, contact with acids and alkalis as well as salt and chlorinated water. It creates a hard, non absorbent and completely impenetrable surface. It is resistant to temperatures from -30°C to +100°C in dry conditions and up to +60°C in wet conditions.

It does not favour bacterial growth and it is suitable for areas with strict hygiene requirements. Classified as SR-B2,0-AR0,5-IR4 per EN 13813.

APPLICATIONS

DECOFIN EPOXY SF is suitable, as a brushable coating, for floors with demand for high mechanical and/or even chemical resistances. Ideal for colored decorative microcement, for applications in swimming pools, fountains, for kitchen countertops, professional kitchens, catering halls, restaurants, hotels, and entertainment venues etc. DECOFIN EPOXY SF highlights the natural beauty of stones, accentuating their textures and

veins, thus giving them the look of 'permanently wet'.

USE

1. Surface preparations

The application surface must be free from loose materials, fats, dust, salts and has to be **completely dry**. The moisture content of the surface should not exceed 4% and 4-8 days must have passed from any microcement application before any applying the product (always depending on the ambient conditions).

2. Application

Empty the contents of container B into container A and mix using a low-rpm drill for at least 2 minutes, until to the complete homogenization of the mixture occurs. Mixing should also be done both on the walls as well as at the bottom of the container, in order for the hardener (B) to be distributed evenly. Apply one coat of DECOFIN EPOXY SF with a short nap roller.

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NOTES

- Epoxy systems are sensitive to the ambient temperatures and humidity until their full cure. Increased temperatures will result in shortening of the working time of the mixture. High humidity will result in dull or discolored surface spots as well as prolonged final cure time.
- After mixing both components together, the temperature of the mixture will increase.
- Once fully cured, the product is harmless to health and the environment.

USEFUL TIPS

- When applying DECOFIN EPOXY SF outdoors, the direct exposure to the sun, will turn the surface from gloss to satin finish in approximately 12 months' time. The surface finish will turn matte in approximately 24 months' time. Re-coat the surface to restore its lost lustre.
- When applying over microcement, make sure that there are no areas where the varnish pools. Otherwise, the aesthetic result of the application may not meet your requirements and once dry, the surface may present uneven shine. In case you are not satisfied with the aesthetic result of the application, sand the surface using No240 dry sandpaper, with an electric sander, thus creating matte surface.
- If the surface to be coated was lined with a darker color microcement or if its color is light and the aesthetic requirement calls for an unaffected color scheme (so it does not get darker or even change during cure), then before the varnish application proceed with the application of the micromolar stabilizer (primer) AQUAFIX of DUROSTICK at a dilution rate of 30% by weight with clean water. The next day, apply a coat of the epoxy based varnish.

CLEANING

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

CONSUMPTION

200-300gr/m² per coat, depending on the absorbency of the surface.

STORAGE

Store in the factory sealed 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.

PACKAGING

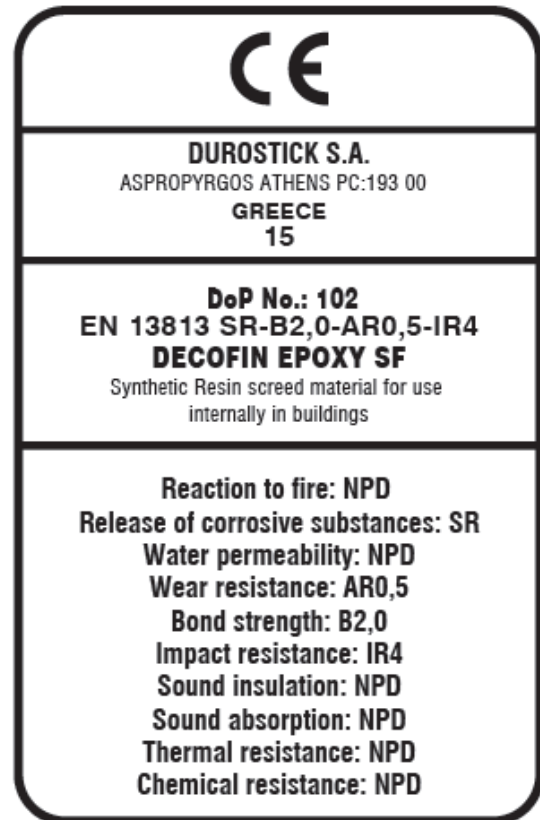
Carton box with 6 pcs of 750gr each one
(A: 480gr, B: 270gr)
5kg container (A: 3.2kg, B: 1.8kg)

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TECHNICAL SPECIFICATIONS	
Chemical base	Two-component solvent free, epoxy resin
Color	Transparent
Gloss	Gloss
Mixture density	1.05±0.04kg/lit
Mixing ratio A:B	100:55 by weight
Pot life	Approximately 40-50 minutes at 20°C
Application temperature	From +10°C to +35°C
Temperature resistance	From -30°C to +100°C
Cure time	Approximately 24 hours, depending on the temperature and humidity of the environment
Foot traffic	After 24 hours, depending on the temperature and humidity
MECHANICAL STRENGTHS	
Strength, per DIN (EN 196-1) after 7 days at 23°C to	
• flexion	31.50 N/mm ²
• compression	51.50 N/mm ²
<i>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 A/j: 'Two-pack performance coatings', type SB): 500gr/lit (2010). The ready to use product contains maximum 0 gr / lit V.O.C.</i>	



DUROSTICK S.A.

MANUFACTURING OF ADHESIVES, PAINTS & MORTARS
 ATHENS: ASPROPYRGOS, ATTICA, GR: 193 00, Tel:
 +30 211 60 03 500-599, +30 210 55 16 500, +30 210 55
 98 350, Fax: +30 210 55 99 612

THESSALONIK: INDUSTRIAL PARK-SINDOS, S.B. 44,
 STREET, DA 0, GR: 570 22, Tel: +30 2310 795 797, +30
 2310 797 365, Fax: +30 2310 797 367

E-mail: info@durostick.com

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