



Durepox metal primer

Technical Specifications
 Date of issue: 06/08/2025
 Version Number: 4th

Two-component epoxy anti-corrosive primer



DUREPOX METAL PRIMER is a two-component epoxy-based primer, ideal for application on all surfaces that undergo severe mechanical and chemical strain. Due to its special composition, it develops a hard, waterproof, glazed, enamel-like surface with exceptional durability against friction, solvents, chloride, acids, saline deposits, alkali, gasoline, oil, diesel, detergents, water etc., allowing for fast and easy cleanup of the painted surface. Its powerful adhesion and elasticity make it an ideal primer for workshop and industrial floors and generally any application that requires a highly durable surface against heavy-duty use.

Surface preparation

Ensure that the surface is completely dry, clean and free from grease, dust, dirt, concrete salts and poorly adhesive materials. On new concrete surfaces, allow 4-6 weeks prior to the application of DUREPOX METAL PRIMER. For refinishing old surfaces previously coated with one component paints, remove completely old paints by wire-brushing, solvents or other suitable mechanical means (e.g. water blasting with warm water at 35-40°C and minimum pressure 300 bar - 4.41 psi). For refinishing old surfaces previously coated with two-component paints, sand the surface thoroughly by wire-brush or orbital sanders. Moss, lichen, algae, bacteria, etc. must be cleaned thoroughly with FUNGICIDE CLEANER fungicidal solution.

Thinning

20-25% with nitrocellulose thinner N2 or X2.

Physical / Technical Characteristics

Solids content	72-75% according to ASTM D2369 (Depending on the desired shade)
Viscosity	100-120 sec (DIN 53211-CF4, 25°C)
Density	1,42-1,44 kg/lit depending on the shade (ISO 2811.01, 20°C)

Application

Stir both components thoroughly and then dilute with the recommended thinner before use. Apply by brush, roller, spray gun, or airless spray in one or two coats, depending on the desired film thickness. During application, ensure that all difficult surface areas, edges, and corners are fully covered to prevent moisture penetration. Touch-up work may be required after transportation. Mechanical cleaning to St2-St3 is recommended after cutting, welding, and assembly.

Drying - Recoating

Touch dry in 1 hour (25°C, 45-65% R.H., dry film thickness 50µm). Recoatable after 16 hours. Forced drying can be achieved by increasing the temperature up to 80°C.

Coverage

Approximately 10-12 m²/L, on a properly prepared surface.

Color shades

It is available in light grey.

Gloss level

Satin - Matte

Mixing proportions

5 parts of component A' to 1 part of component B' by weight. If more than the necessary quantity of component B' is added, then spots can appear in the dry coating, which may disappear over time.

Storage

12 months, if stored in factory sealed containers, in a cool, dry place and temperatures ranging from 5°C to 40°C. Leftover paint must be stored, in tightly sealed containers and temperatures ranging from 5°C to 40°C.





Βιομηχανία βερνικιών & χρωμάτων varnishes & paints industry

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Volatile organic compounds (VOC)

As a primer: The maximum EU limit value (Directive 2004/42/CE) for this product [Category A/h (Binding primers), Type SB] is 750 g/l (2010). This product contains a maximum of 600 g/l VOC (ready for use).

Packaging

Set 1,2kg

Component A		1 kg.
Component B	0,2 kg.	

Set 6kg

Component A		5 kg.
Component B	1 kg.	

Safety information

Read the label before use. For detailed instructions - precautions, consult the Product Safety Data Sheet. Poison Information Centre: (+30) 210 77 93 777.



All the information provided in this technical data sheet is the result of the scientific knowledge of the company's personnel and the practical experience in product application. This document doesn't express or imply a guarantee as the company cannot control and bears no responsibility for the conditions and the manner of application, the adjustment and the modification of the product when used by the customer. The customer must confirm by his own means that the product is suitable for the intended use. The current version of technical data sheet withdraws all previous versions for this product.

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