

DUPOXY PRIME SFD

Epoxy resin based primer for concrete surfaces

Description

Dubond's Dupoxy Prime SFD is a two component epoxy based primer with good penetrating properties for concrete surfaces.

Uses

It is suitable for priming concrete surfaces prior to the application of any of the Dupoxy SL and SC range of resin based floor toppings, Dupoxy TCS & TC range of protective coatings or Dupoxy Putty repair mortars.

Advantages

Improves the adhesion of epoxy floor toppings and epoxy mortars with the substrate.

Technical Support

Dubond provides a countrywide technical advisory service supported by a team of specialists in the field.

Properties	@ 20°C	@ 35°C
Pot life	4 hrs.	1.5 hrs.
Cure	4 - 6 hrs.	2 - 4 hrs.
Time between coats	4 - 6 hrs.	3 - 5 hrs.
Initial hardness	24 hrs.	18 hrs.
Full cure	7 days	5 days
Specific gravity	1.022 g/cc	

Below 20°C, above mentioned times will increase.

Application Instructions

Surface Preparation

Thorough surface preparation is vital. For best results Dubond recommends mechanical preparation techniques. (For example, mechanical scarifying, grit-blasting, sand blasting).

For flooring and tanking works, care must be taken to ensure that the substrate does not suffer from rising dampness. If such conditions exist, consult Dubond.

New concrete floors

Should be at least 28 days old or have a moisture content of less than 5% before proceeding with epoxy application. Laitance and deposits on new concrete floors are best removed by light grit blasting, mechanical scrubbing or grinding. On smaller areas through etching using Reebaklens may be considered. After etching the floor, it should be thoroughly washed with clear water and then allowed to dry.

Old concrete floors

Again, mechanical cleaning methods are strongly recommended on old concrete floor, particularly where heavy contamination by oil and grease has occurred or existing coating are present. These may well have been absorbed several millimeters deep into the concrete. To ensure good adhesion all contamination should be removed and the surface thoroughly cleaned of all dust and loose debris. A through detergent wash is also recommended followed by cleaning with water and mopping it off to dry state.

Mixing

Add the entire contents of the hardener tin to the base and mix thoroughly for 3 min. until homogeneous, using a slow speed drill (400-500 rpm) fitted with a suitable mixing paddle.

Application

Once mixed the primer should be applied immediately in a thin continuous film to the clean prepared surface. Work the primer into the surface using a stiff brush or roller. Excess application and puddling should be avoided. On porous surfaces Dupoxy Prime SFD will be absorbed very quickly leaving characteristic coloured dry patches. It is recommended that a second priming coat be applied to these dry areas. This not only helps to ensure good adhesion but also prevents air release from the porous substrate which may cause bubbles in the final epoxy topping later.

For Dupoxy SL applications, leave the Dupoxy Prime SFD to dry overnight.

■ Limitations

Temperature Limitations

Recommended application range is 10 °C - 40 °C. Consult Dubond where application or service is outside the range of 5 °C - 40 °C.

■ Packaging

Available in 1 & 5 kg packs.

■ Coverage

Dupoxy Prime SFD - 6 - 8 m²/ltr.

Over vacuum dewatered floors finished with power trowels, after surface preparation, coverage of Dupoxy Prime SFD may be much more than the above value.

■ Storage

Dupoxy Prime SFD has a shelf life of 12 months when stored in unopened containers under normal warehouse conditions

■ Precautions

Health & Safety

Dupoxy Prime SFD should not come into contact with skin and eyes or be swallowed. Avoid prolonged inhalation of solvent vapours.

Some people are sensitive to epoxy resins, hardeners and solvents. Gloves, goggles and barrier creams should therefore be used while handling the product.

Adequate ventilation should be ensured and if working in enclosed areas, suitable breathing apparatus must be used. If the resin comes in contact with skin, it must be removed before it hardens with a resin removing cream, followed by washing with soap and water - solvent should not be used.

Dupoxy Thinner should be washed from skin immediately with soap and water. Should accidental eye contamination occur with any of the above products, it should be washed well with plenty of water and medical advice should be sought. If swallowed medical attention should be sought immediately. Vomiting should be induced.

Cleaning

All tools and equipment should be cleaned with Dupoxy Thinner immediately after use. Spillages should be absorbed with sand or sawdust and disposed off in accordance with local regulations.

Fire

Dupoxy Thinner, Dupoxy Prime SFD are flammable. Do not expose to naked flames and the other sources of ignition. Do not smoke while handling the materials. Containers should be tightly sealed when not in use. In the event of fire extinguish with CO or foam type extinguishers.

Flash Point

Dupoxy Thinner	-	33°C
Dupoxy Prime SFD	-	25°C

Additional Information

In addition, the Dupoxy floor range of industrial flooring products include concrete hardeners, resin floor coatings, toppings and screeds designed to meet most requirements of modern industrial environments. For further information contact the local Dubond office.

DISCLAIMER The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

Dubond Products (India) Pvt. Ltd.

C-3, 1001, Anushruti Tower, S.G. Highway, Thaltej,
Ahmedabad-380054. Gujarat - INDIA

Ph: 91-79-2685 6815 Fax: 91-79-2685 6816

Email: info@dubond.in Website: www.dubond.in

Customer Care : +91 9377177771

