

2-component solvent-free epoxy primer

DESCRIPTION

Duprime 200 is a two-component, solvent-free epoxy primer designed to improve adhesion between concrete substrates and resin flooring systems. It also functions as an effective moisture barrier for concrete with residual moisture content up to **6 CM%**, providing excellent adhesion, high build properties and compatibility with newly cured concrete and subsequent epoxy or polyurethane flooring systems.

RECOMMENDED USE

- Concrete floor priming
- Epoxy flooring systems
- Polyurethane flooring systems
- Moisture barrier for damp concrete
- Green concrete substrates
- Industrial and commercial flooring

FEATURES AND BENEFITS

- Solvent-free epoxy formulation
- Excellent adhesion
- Moisture tolerant up to 6 CM%
- High build and pore sealing
- Compatible with green concrete
- Low odour
- Easy application
- Compatible with epoxy and PU flooring systems

PACKAGING COMPONENTS

- **Part A (Resin):** Epoxy resin, Provides the main binder and forms the base of the system.
- **Part B (Hardener):** Curing agent that reacts with the resin to create a durable and seamless finish.

PACKAGE

8 kg set
Resin : 5.5 kg
Hardener : 2.5 kg

PERFORMANCE TEST DATA

Compressive Strength (DIN EN 196)	> 65 N/mm ²
Adhesion Strength (DIN ISO 4624)	>1.5 N/mm ²
Appearance	Clear color
Solids Content	99%
VOC Content	Solvent free
Service Temperature	Continuous Exposure: Up to +50°C Short-Term Exposure: Up to +80°C
Shelf life	12 months

TECHNICAL DATA

Working time (25°C)	20–25 minutes
Application temperature:	10 – 35°C (min. 3°C above dew point)
Density	1410 kg/m ³
Viscosity	1500–2500 mPas
Mixing Ratio	Resin : Hardener (2.2 : 1)
Material consumption	150–200 g/m ²
Moisture content limit	≤4%
Over coating (23°C)	within 12 - 24hours
Cure time to withstand*: Foot traffic Heavy traffic Exposure to chemical	after 12 – 20 hours after 3 days after 7 days

Statement of Responsibility (Disclaimer)

The technical information and application advice are based on present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

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APPLICATION PROCEDURE

General

Duprime 200 shall be applied by trained and qualified personnel in accordance with the recommended application guidelines.

Substrate Preparation

The substrate shall be firm, clean, dry, and free from dust, oil, grease, laitance, coatings, curing compounds, and loose materials. Concrete shall have a minimum pull-off strength of 1.5 N/mm² and moisture content shall not exceed 4%. New concrete must be allowed to cure for a minimum of 28 days. Surface preparation shall be carried out by captive shot blasting, grinding, or scarifying to provide an open textured profile for optimum adhesion. Surface defects, holes, and cracks shall be repaired prior to application.

Mixing Procedure

Condition all materials to the site temperature before mixing. Pour **Part B (Hardener)** into **Part A (Epoxy Resin)** and mix using a slow-speed electric mixer (approximately **500 rpm**) for **2 minutes**. Transfer the mixed material into a clean container and remix for **1 minute**. Allow the material to stand for approximately **5 minutes** as a pre-reaction period before application.

Application

Apply the mixed primer uniformly using a roller, squeegee or rubber scraper at the recommended consumption rate according to the substrate porosity. For substrates with residual moisture content up to **4 CM%**, apply one coat. For substrates with residual moisture content between **4–6 CM%**, apply two coats. Ensure a continuous, closed and pinhole-free film is achieved.

Quartz Sand Broadcasting

Where improved interlayer adhesion is required, lightly broadcast 0.3–0.8 mm **quartz sand** at approximately **800 g/m²** onto the wet primer. For two-coat applications, quartz sand shall be broadcast only onto the second coat.

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Over Coating

Over-coating should be carried out within 24 hours. Where the interval exceeds 24 hours,lightly grind the surface before applying subsequent coats.

Final Curing

Protect the applied surface from moisture, dust, and traffic during curing.

- Foot Traffic: 18–24 hours
- Heavy Traffic: 3 days
- Full Chemical Exposure: 7 days

Storage / Shelf Life

Store in original unopened packaging under dry conditions, protected from direct sunlight and extreme temperatures at +5°C to +35°C. Shelf life is 12 months when stored under recommended conditions.

Precautions

Avoid contact with eyes, skin, and food materials during handling and application. Wear suitable PPE including gloves and eye protection. Keep out of reach of children. Refer to the Material Safety Data Sheet (MSDS/SDS) for detailed safety information.

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Ducon Polymer Flooring (DPF)

www.duconasia.com