

DURAFLOOR PRIMER

POLYURETHANE-CEMENT-BASED PRIMER IN AQUEOUS VEHICLE

DURAFLOOR PRIMER is a three-component polyurethane primer in aqueous vehicle specifically formulated to be used as adhesion promoter for the application of DURAFLOOR polyurethane-cement coating cycles.



ADVANTAGES

DURAFLOOR PRIMER is a polyurethane-cement based primer for industrial application. It has the following features:

- ✓ **HIGH CHEMICAL RESISTANCE:** DURAFLOOR PRIMER is resistant to a wide range of chemicals used in industrial processes (see chemical resistance table).
- ✓ **RESISTANT TO HIGH TEMPERATURES AND THERMAL SHOCK:** DURAFLOOR PRIMER is completely resistant to the discharge and spillage of liquids.
- ✓ **FAST INSTALLATION AND MINIMUM DOWNTIME:** The floors treated with DURAFLOOR PRIMER are walkable after 8 hours from application, they can be overcoated with DURAFLOOR M/SL and become fully performing after 48 hours.
- ✓ **HYGIENE AND EASE OF CLEANING:** DURAFLOOR PRIMER coats are easy to clean, inhibit the growth of bacteria and can withstand high-temperature washing.
- ✓ **WATERPROOF:** DURAFLOOR PRIMER does not absorb water.

USES

DURAFLOOR PRIMER is ideal as adhesion promoter for the application of the DURAFLOOR polyurethane-cement coating cycles.

SUBSTRATE PREPARATION

CLEANING

- ▶ Remove any loose concrete by either mechanical chipping or pressure washing, taking care not to damage the structures.
- ▶ Remove stains, efflorescence or soaked-in stains of oil, grease, paint, lime, dust, dirt etc.
- ▶ Remove any trace of dust, dirt or any residue which may cause the coating to come off.

REPAIR SMOOTHING AND LEVELLING

EXISTING AND NEWLY INSTALLED CONCRETE SUBSTRATES OR RESIN COATINGS

Roughen the surface mechanically (shot-blasting or sanding) to reach the sound, compact concrete so as to enhance adhesion. Any hollows, holes or obvious irregularities must be restored with two-component, shrinkage-compensated epoxy mortar for rapid repair of concrete floors PAVIFIX.

NEWLY INSTALLED CONCRETE HEAVY-DUTY INDUSTRIAL FLOORING OR FLOORING MADE WITH DURAFLOOR M OR SL:

Sand thoroughly to remove any non-absorbent surface film.

MIX PREPARATION

COMPONENT PREPARATION

The three components must be at a temperature between +15 and +25°C.

Do not use only part of the components as this could cause errors in the mixing ratio, and result in incomplete or no hardening.

Add the hardener (PART B) to the resin (PART A) and mix using a low-speed agitator (300-400 rpm) for about 1-2 minutes until you get a homogeneous mix. Pour the mix into a rotary drum mixer and add the aggregate (PART C) little by little; mix for at least 3 minutes until the mix is smooth and free of lumps and has a uniform colour.

APPLICATION

APPLICATION PROCEDURE

Apply **DURAFLOOR PRIMER** on a clean substrate, as indicated in the previous paragraph.

Apply the mix immediately by means of a medium-long pile roller. The product has a coverage of 0.15-0.2 kg/m² (approx. 150 µm thickness). Consumption may vary depending on substrate preparation and absorption.

PRECAUTIONS

- Read the safety data sheet before using the product.
- The substrate must be at a temperature of at least +5°C.
- Ideal temperature of application is between +15 and +25°C.
- The use of forced air ventilation to promote evaporation is recommended.
- Wear goggles and rubber gloves both during working and when cleaning tools.
- Clean your tools right after application using DILUENTE ECO.



HOT WEATHER PRECAUTIONS

- ▶ Store DURAFLOOR PRIMER components in the shade.
- ▶ Work in the mildest hours of the day.
- ▶ Do not work at ambient temperatures above 35°C.



COLD WEATHER PRECAUTIONS

- ▶ Store DURAFLOOR PRIMER in a frost-free place.
- ▶ Do not apply the product if temperature is below -5 °C.
- ▶ Start to work in the hottest hours of the day and however when ambient temperature is at least 5°C.

PACKAGING AND STORAGE

DURAFLOOR PRIMER is supplied in:

- 2.32 kg bag (A) + 1.11 kg bag (B) + 3.1 kg bag (C)

Do not store on the ground. Store the product in a dry and sheltered place at a temperature between +10°C and +30°C. Keep away from direct sunlight. Protect against frost. The resin and hardener components keep their features unchanged for 12 months if properly stored in their original packaging.



APPLICATION SPECIFICATIONS 20°C - 65% R.H.

COLOUR	Clear
WORKABILITY AT 20°C	15 minutes
WAITING TIME BEFORE OVERCOATING	8 hours (max. 24 hours)
THEORETICAL CONSUMPTION	0.15-0.2 kg/m ² depending on substrate preparation and absorption

PERFORMANCE CHARACTERISTICS Cert. no. LF07011-07020/19

CATEGORY	BS 8204-6	FeRFA type 3
BOND STRENGTH TO CONCRETE	UNI EN 13892-8	>3 N/mm ² (substrate failure)
TEMPERATURE RESISTANCE		Tolerant to temperatures of up to 80°C @ 0.5 mm
ABRASION RESISTANCE	BS 8204-2 +A3	225 mg loss per 1000 cycles
IMPACT RESISTANCE	UNI EN ISO 6272-1	>4
SLIP RESISTANCE	BS 7976-2+A1	<36 (low slip potential in wet/dry conditions)
REACTION-TO-FIRE CLASS	UNI EN 13501	Bfl-s1

The data above are obtained from lab testing in a controlled environment.

Slip resistance could decrease due to wear, contaminating agents and incorrect maintenance.

Legal notes - SLCMP version of 01.03.2017

Draco Italiana s.p.a. has adopted the parameters indicated in this data sheet and the related standards for the calculation of the values and technical data contained herein.

Customers shall verify that this data sheet and the values indicated herein apply to their product batch and have not been superseded by later editions. If in doubt, verify that the sheet corresponds to the one available on the website www.draco-edilizia.it at the time the sales contract was executed and/or by previously contacting the Technical Department.

Any suggestions on the use of the Products provided by our personnel either orally or in writing upon the Customer's request do not constitute additional obligations to the purchase contract and do not imply a contractual obligation for the company. They are based on our experience and limited to the current state of practical and/or scientific knowledge. They are not binding for the client or for the installer. It is the Customer's responsibility to test our products and verify they are suitable for the type of application and use envisaged.