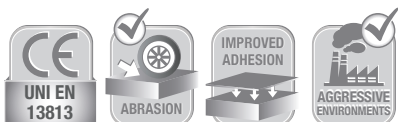


DURAFLOOR F

POLYURETHANE-CEMENT-BASED WATERBORNE FILM-FORMING COATING

Ideal as final wearing surface of DURAFLOOR 4.6 system



DURAFLOOR F is a polyurethane-cement-based four-component waterborne resin for final film-forming coating of DURAFLOOR flooring. Being a thixotropic resin, it can be used on angle fillets and vertical surfaces. **DURAFLOOR F** has a matte finish and ensures high resistance to chemicals, traffic and thermal shock.

ADVANTAGES

DURAFLOOR F is a polyurethane-cement-based resin for industrial use.

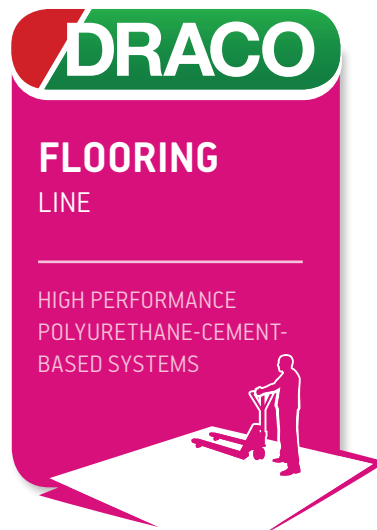
The coating has the following features:

- ✓ **HIGH CHEMICAL RESISTANCE:** DURAFLOOR F is resistant to a wide range of chemicals used in industrial processes (see chemical resistance table).
- ✓ **RESISTANT TO HIGH TEMPERATURES AND THERMAL SHOCK:** DURAFLOOR F is completely resistant to the discharge and spillage of liquids.
- ✓ **EXCELLENT RESISTANCE TO MECHANICAL STRESS:** DURAFLOOR F is resistant to heavy traffic, shocks, impact and abrasion.
- ✓ **FAST INSTALLATION AND MINIMUM DOWNTIME:** DURAFLOOR F is walkable after 8 hours from installation and becomes fully performing after 48 hours.
- ✓ **HYGIENE AND EASE OF CLEANING:** the coatings made with DURAFLOOR F are easy to clean, inhibit the growth of bacteria, can withstand high-temperature washing and are especially suitable for premises that have to comply with HACCP.
- ✓ **RESISTANT TO MOISTURE:** DURAFLOOR F tolerates the moisture of the substrate and therefore can be applied on surfaces that have not completely cured.
- ✓ **WATERPROOF:** DURAFLOOR F is waterproof and does not absorb water.
- ✓ DURAFLOOR F complies with the requirements of the Consolidated Law on safety and health at work (Italian Legislative Decree 81/08 and subsequent amendments).
- ✓ **VOC FREE:** DURAFLOOR F is a "water-based" coating. It does not contain VOCs (volatile organic compounds) to protect the environment and operators.

USES

DURAFLOOR F is ideal as final wearing surface of DURAFLOOR 4.6 system, specifically intended for food, pharmaceutical and chemical industries and all plants where high resistance to chemicals, impact, high-temperature liquid discharge and spillage is required, such as:

- processing and storage areas subject to traffic;
- chemicals warehouses, industrial or foodstuffs warehouses, restrooms, labs, food preparation areas;
- areas where foodstuffs are present and that are subject to ISO standards and to Italian Legislative Decree 193/07 that enforces Regulation (EC) no. 852/2004 on the hygiene of foodstuffs (HACCP).



© Copyright 2012 - All rights reserved - The information of this technical data sheet actually comply with the present state of our best scientific knowledge. Depending on the accuracy of the various laying phases, for which we may not held liable, changes may also arise. Thus our warranty is only limited to the quality and durability of the products as supplied in compliance with their indications. This edition cancels and replaces the previous ones.

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 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 the two-component, shrinkage-compensated epoxy mortar for rapid repair of concrete floors PAVIFIX.

- NEWLY INSTALLED CONCRETE 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.

Premix the colour part before use. Add the hardener (PART B) to the colour resin (A+D) 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.

COATING APPLICATION

APPLICATION PROCEDURE

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

Apply the mix immediately by means of a medium-long pile roller.

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. Once the product has hardened you can remove it only mechanically.



HOT WEATHER PRECAUTIONS

- ▶ Store DURAFLOOR F 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 F 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 F is packed in 7.70kg kits (A+B+C+D) :

- 2.32 kg bag (A) + 2.22 kg bag (B) + 3.1 kg bag (C) + 0.45 kg colour part bag (D)

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 (PARTS A, B, D) keep their features unchanged for 12 months if properly stored in their original packaging, while PART C (aggregates) only for 6 months.



AVAILABLE COLOURS



DURAFLOOR F may yellow on the surface, in particular when exposed to UV rays. Light colours are even more subject to yellowing. Some chemicals may stain or fade the surfaces depending on contact duration, temperature and type of chemical. However, this does not affect the chemical resistance and mechanical strength of the product.

CLEANING A FLOOR WITH DURAFLOOR F FINISH

Regular and proper cleaning of the floor using adequate cleaners increases the life of the floor and keeps it unchanged over time, and also makes slip resistance stable. DURAFLOOR F can be easily cleaned with standard cleaning techniques and cleaners.

For more information on floor cleaning, refer to the INSTALLATION AND MAINTENANCE MANUAL of DURAFLOOR by DRACO SpA.

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

| | |
|--------------------------------|--|
| FLOORING REFERENCE (BS 8204-6) | FeRFA type 3 |
| WORKABILITY AT 20° C | 15 minutes |
| OPENING TO FOOT TRAFFIC | 12 hours |
| OPENING TO LIGHT TRAFFIC | 24 hours |
| OPENING TO HEAVY TRAFFIC | 48 hours |
| COMPLETE HARDENING | 7 days |
| THEORETICAL CONSUMPTION | DURAFLOOR F: 0.35 kg/m ² per 300 microns thickness (two coats) |

PERFORMANCE CHARACTERISTICS

| | |
|---|---------------|
| FLOORING REFERENCE (BS 8204-6) | FeRFA type 3 |
| ADHESION TO CONCRETE (BS EN 1504-2) | > 1.5 MPa |
| WEAR RESISTANCE (EN 13892-4) | AR 0.5 |
| WEAR RESISTANCE (BS 8204-2) | Special Class |
| IMPACT RESISTANCE (BRE screed test) | Cat. A |
| SHORE D HARDNESS | 70 |
| SLIP RESISTANCE ON DRY FLOOR SURFACES (BS 7976-2) | > 60 |
| WATER ABSORPTION CP BM 2/67/2 | 0 mL |
| THEORETICAL COV CONTENT | 24 g/L |

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.

Due to the nature of the product, it is not possible to guarantee perfect colour consistency between batches. Nonetheless, this does not affect in any way the characteristics and performances of the product. It is recommended to use only paints from the same production batch on adjacent surfaces. To avoid any colour differences, check that colour is correct and of the same batch number before applying the product.