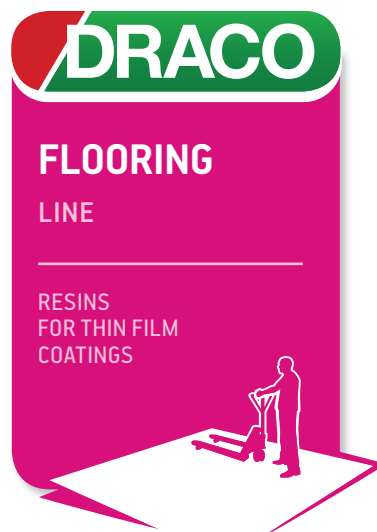


POLIPLATE 2 COLOR

TWO-COMPONENT FINISH COLOUR COATING
BASED ON ALIPHATIC POLYURETHANE RESINS

HIGH RESISTANCE TO CHEMICALS AND UV RADIATION



POLIPLATE 2 COLOR is a solvent-based two-component aliphatic polyurethane resin resistant to chemicals and wear. It is ideal as chemical resistant coating of industrial and civil flooring, steel and metal surfaces. **POLIPLATE 2 COLOR** is UV stable, resistant to wear and does not yellow. **POLIPLATE 2 COLOR** is a glossy finish. To obtain a matt effect, apply the aliphatic polyurethane coating **POLIPLATE TRASPARENTE OPACO** over it.

ADVANTAGES

POLIPLATE 2 COLOR is a two-component aliphatic polyurethane resin for coating and protecting resin coatings.

The product has the following features:

- ✓ **EXCELLENT ADHESION TO SUBSTRATE:** **POLIPLATE 2 COLOR** has high adhesion to concrete and prevents detachment. Excellent adhesion also to epoxy coatings.
- ✓ **RESISTANCE TO TRAFFIC AND WEAR:** **POLIPLATE 2 COLOR** is resistant to abrasion, scratches and traffic.
- ✓ **HIGH CHEMICAL RESISTANCE:** **POLIPLATE 2 COLOR** guarantees high resistance to accidental contact with aggressive solutions; exceptional resistance to contact with diluted solutions of acids and bases, and very good resistance to staining (ink and food like juice fruits, fats, wine etc.).
- ✓ **EASY TO CLEAN:** **POLIPLATE 2 COLOR** creates a watertight non-absorbent coating which is easy to clean and does not attract dust.
- ✓ **EASY TO APPLY:** **POLIPLATE 2 COLOR** can be applied easily and fast by roller or brush or can be sprayed.

USES

POLIPLATE 2 COLOR is ideal as:

- ✓ Abrasion and chemical resistant coating of industrial and civil flooring.
- ✓ Finish coat of epoxy resin systems and epoxy polyurethane systems.
- ✓ Coating in commercial premises, offices, hospitals and public places in general.
- ✓ Coating of steel and metal surfaces after application of a suitable primer (**STEEL PRIMER**).
- ✓ The finishing layer of the **DRACOFLOOR PARKING** system.



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SUBSTRATE PREPARATION

SUBSTRATE QUALITY

Before applying the product, verify that the substrate has a minimum pull-off strength of at least 1.5 MPa and a compressive strength of 25 MPa. The surface must have no loose parts or water puddles. Substrate moisture must not exceed approx. 8%.

CLEANING

- ▶ **Remove all loose particles** from the area to be treated, either by mechanical chipping or pressure washing, taking care not to damage the structures.
- ▶ **Remove marks, efflorescence or soaked-in stains** of grease and oil, paint, lime, etc.
- ▶ **Remove dust, dirt or other residues which can cause the coating to come off.**

REPAIR AND LEVELLING

- ▶ **Existing concrete surfaces or resin coatings: roughen the surface** mechanically (by shot-blasting or sanding) to reach the sound, compact concrete and enhance adhesion. Repair any hollows, holes or obvious irregularities with PAVIFIX, the two-component, shrinkage-compensated epoxy mortar for rapid repair of concrete floors.
- ▶ **New industrial concrete flooring:** sand thoroughly to remove the non-absorbent film that forms on newly installed flooring due to troweling.

PRIMING

The substrate must be treated with PRIMER ES 40 or with perfectly dry epoxy coating.

PREPARATION OF THE MIX

Separately mix contents of each container, then pour component B into the container of component A and mix well for 3-4 minutes using a low-speed drill with mixing paddle until a homogeneous, lump-free mixture is obtained. Apply the product within 60 minutes.

Temperatures above +20°C reduce the workability time significantly. Therefore in summer it is recommended to catalyse small amounts of product.

APPLICATION INSTRUCTIONS

APPLICATION

POLIPLATE 2 COLOR can be applied by roller or brush or can be sprayed (airless). Consumption is approx. 150 g/m² per coat. Apply the product at temperatures between +10 and +35°C. At +20°C you can achieve best density and workability. Respect overlay times as indicated in the "APPLICATION SPECIFICATIONS" table. For the protection of resin systems, apply **POLIPLATE 2 COLOR** within 24 hours from the application of the underlying resin coating. If times cannot be respected, sand the coating to make it rough, then remove the dust produced and apply the final coat **POLIPLATE 2 COLOR**. *To obtain a matt finish, apply the aliphatic polyurethane coating **POLIPLATE TRASPARENTE OPACO** over it.*

PRECAUTIONS

- ▶ During application, use gloves and protective goggles and observe the necessary precautions for handling chemicals. Use appropriate respiratory protection. For the safe use of the product, read the most recent version of the Safety Data Sheet.
- ▶ Ensure good ventilation is maintained.
- ▶ Avoid contact of the resin, the hardener or the two mixed components with skin, eyes, etc.
- ▶ In the event of accidental contact, wash with plenty of water and neutral soap.

WARNING: It is not possible to ensure a perfect matching of colours from different production batches. Nonetheless, this does not affect in any way the characteristics and performances of the product.

It is recommended to use only colours from the same production batch on adjacent surfaces. To avoid any colour differences, verify that both the colour and the batch are correct before applying the product.

Failing to respect the induction and application times may cause differences in the finish in terms of colour and degree of gloss. Some warm colours like red, orange and yellow and some cold colours like blue and violet have a lower covering power and may require more coats than neutral colours in order to obtain the right final result.

PACKAGING AND STORAGE

POLIPLATE 2 COLOR is available in:

- 7.5 kg + 2.5 kg pails = (A+B) 10 kg

Every container is specifically labelled and shows the batch number that identifies the plant and time of production.

If the product is stored properly in original, unopened packaging, in a cool and dry place, protected from the sun, it maintains its original features for one year. Store at temperatures between +10°C and +30°C.



PRODUCT CHARACTERISTICS

	COMPONENT A	COMPONENT B
AVAILABLE COLOURS	White - Red - Grey (other colours upon request)	
APPEARANCE	opalescent liquid	clear liquid
PACKAGING	7.5 kg pail	2.5 kg pail

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

MIXING RATIO	A:B = 3:1
MIX COLOUR	white or coloured
MIX CONSISTENCY	fluid
DRY MATTER CONTENT at +80°C - UNI EN 482-8	approx. 75% by weight
SPECIFIC WEIGHT - UNI EN ISO 2811	1,3 ÷ 1,4 kg/l
MIX VISCOSITY (A+B) - UNI EN ISO 3219	< 2000 mPa•sec
WORKABILITY	max 60 minutes
TOUCH DRY - UNI EN 12189	within 4 hours
SUBSTRATE TEMPERATURE	+10°C to +30°C
APPLICATION TEMPERATURE	+10°C to +35°C
CONSUMPTION	approx. 150 g/m ² per coat minimum recommended: approx. 300 g/m ² in two coats
NUMBER OF COATS	minimum 2
OVERLAY TIME	min 5 - max 12 hours
FOOT TRAFFIC	24 hours
COMPLETE HARDENING	10 days

Times vary depending on substrate temperature and ambient temperature and humidity. If not otherwise specified, the values given in the table are indicative and calculated at a temperature of 20°C and relative humidity of 65%. Consumption may vary depending on substrate conditions.

PERFORMANCE CHARACTERISTICS 20°C - 50% R.H.

PERFORMANCE CHARACTERISTIC	PRODUCT PERFORMANCE
DEGREE OF GLOSS - UNI EN ISO 2813	> 75
TABER TEST (after 7 days at +23°C, 50% RH, 1,000 cycles/1,000 g, CS 17 wheel)	> 40 mg
RESISTANCE TO UV RADIATION - Weather-O-Meter (WOM)	> 1000 equivalent hours
SHORE "A" HARDNESS after complete hardening	> 90

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.

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