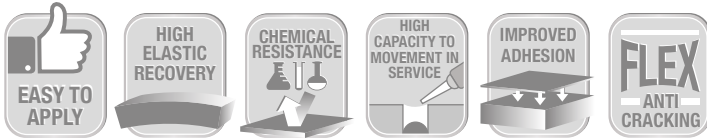


DRACOFLEX P

SINGLE-COMPONENT POLYURETHANE SEALANT WITH MEDIUM MODULUS OF ELASTICITY FOR JOINTS IN CONCRETE INDUSTRIAL FLOORING

Flexible and chemically resistant for non-absorbent and "washable" joints



DRACOFLEX P is a single-component polyurethane sealant which provides high adhesion to the walls of the joint, elasticity and movement when in service. It hardens through contact with atmospheric moisture thus producing elastic sealing of vertical and horizontal joints which are waterproof and resistant to most common detergents and industrial chemicals. Contraction/control joints in industrial concrete and resin flooring made with **DRACOFLEX P** ensure impermeability and non-absorbency thus protecting the joint from the accumulation of dirt, bacteria and preventing degradation phenomena that most frequently occur in unprotected joints. Sealing joints with **DRACOFLEX P** contributes towards achieving requirements of the HACCP protocol for industrial floorings in the food industry. Its excellent adhesion to most common building materials makes it also suitable for elastic bondings.

BENEFITS

DRACOFLEX P is a single-component, elastic, paintable, thixotropic polyurethane sealant having the following characteristics:

- ✓ **EXCELLENT MOVEMENT WHEN IN SERVICE:** **DRACOFLEX P** provides excellent elastic elongation and elastic recovery that allow to withstand joint movements thus ensuring sealing durability.
- ✓ **EXCELLENT CHEMICAL RESISTANCE:** **DRACOFLEX P** is high waterproof and resistant to industrial detergents and other chemical agents such as hydrocarbons.
- ✓ **RESISTANCE TO AGEING:** **DRACOFLEX P** exhibits good resistance to UV rays and ageing.
- ✓ **NON-ABSORBENCY, HYGIENE AND EASE OF CLEANING:** Contraction/control joints sealed with **DRACOFLEX P** ensure excellent floor hygiene and ease of cleaning.

AREAS OF APPLICATION

DRACOFLEX P is used to make elastic sealing of:

- ✓ sealing contraction/control joints in industrial resin flooring;
- ✓ sealing joints in concrete flooring exposed to frequent washing, heavy traffic and dirt;
- ✓ sealing joints of resin flooring which comply with HACCP protocol for food industry;
- ✓ construction joints on both vertical and horizontal surfaces;
- ✓ precast panels, in-situ concrete, masonry;
- ✓ interior and exterior joints subject to chemical attack;
- ✓ elastic bondings on concrete, stone, bricks, steel and metal in general.

SUBSTRATES PREPARATION

Clean the walls of the joint or surfaces before applying by carefully removing all residues of oil, dust, crumbling parts, etc. Check that the concrete has cured for at least 28 days before sealing joints on it. It is recommended the use of the specific PRIMER PS 30 on weak and porous substrates or when the joint is frequently exposed to liquids. The primer must be applied on the walls of the joint with a brush in one or two coats according to the porosity of the substrate.



APPLICATION

- ▶ **DRACOFLEX P** shall be applied with a manual gun or with a pneumatic gun.
- ▶ **CARTRIDGE:** Remove the aluminium covers at the end of the cartridge. Cut the nozzle diagonally according to the desired size and place the cartridge in the extruder. **SOFT CARTRIDGE:** Place the cartridge in the extruder and cut 1 cm of the package at the end of it. Close the extruder and insert the nozzle. Cut the nozzle diagonally according to the desired size.
- ▶ In order to obtain a proper sealing section, the prior insertion of DRAFIL closed-cell polyethylene profile in the joint of the third wall is recommended.
- ▶ Immediately after applying **DRACOFLEX P** smooth over the surface with a spatula or other suitable tool by pressing the sealant against the walls of the joint to obtain better adhesion. This will ensure a better surface finish.

JOINT WIDTH	SEALANT DEPTH
Up to 10 mm	Equal to width
From 11 to 20 mm	Always 10 mm
Beyond 20 mm	Equal to half width

INDICATIVE CONSUMPTION OF DRACOFLEX P ACCORDING TO THE SIZE OF THE JOINT

Width (mm)	Depth (mm)	310 ml (m) cartridge consumption	600 ml (m) soft cartridge consumption
5	5	12.4	24
10	10	3.10	6
15	7.5	2.75	5.33
20	10	1.55	3
25	12.5	0.99	1.92
30	15	0.68	1.33

SAFETY INSTRUCTIONS

- ▶ Polymerization time can vary depending on the thermo-hygrometric environmental conditions; for example, high temperatures and relative humidity will reduce setting time.
- ▶ Use rubber gloves and safety glasses while applying and cleaning tools.

PACKAGING AND STORAGE

DRACOFLEX P is available in:

- 310 ml cartridges (boxes of 25 cartridges);
- 600 ml soft cartridges (boxes of 20 soft cartridges).

If the product is stored in its original packaging, at a temperature of not less than + 10°C, it maintains its original features for 9 months (cartridges) or 1 year (soft cartridges).



PRODUCT FEATURES

APPEARANCE	Paste
COLOUR	Grey
SPECIFIC GRAVITY	1.3 kg/l
PACKAGING	310 ml cartridges 600 ml soft cartridges

APPLICATION DATA

TEMPERATURE OF EXERCISE	-20°C ÷ +80°C
TEMPERATURE OF USE	+5°C ÷ +40°C
TOUCH DRY AT 23°C	approx. 45 min.
CURING SPEED	3 mm / 24 hrs. at 23°C

Times can vary depending on the substrate temperature and on the thermo-hygrometric environmental conditions.
Unless otherwise specified the above values are indicative and calculated at a temperature of 23 ° C and relative humidity of 50%.

FINAL PERFORMANCE

SHORE A HARDNESS - ISO 868	30-40
MOVEMENT WHEN IN SERVICE	25%
MODULUS OF ELASTICITY - ISO 8339	elongation 100%: 0.30 - 0.45 MPa
ELONGATION AT BREAKAGE - ISO 8339	> 250%
BREAKING STRENGTH - ISO 8339	0.60 MPa
ELASTIC RECOVERY - ISO 7389	> 70%

CHEMICAL RESISTANCE

DRACOFLEX P withstands contact with the following substances occasionally and for no longer than 72 hours:

Petrol and fuels in general	Diluted bases and acids
Heating and burning oils	Formaldehyde 20%
Hydrocarbons in general	Sodium hypochlorite 10%
Crude oils	Medium-basicity detergent

ITEM SPECIFICATIONS

DRACOFLEX P of **Draco Italiana S.p.A.** is a single-component polyurethane sealant used to create joints of highly mechanically stressed flooring where you need chemical resistance. The product shall be applied according to the instruction of the manufacturer, **Draco Italiana S.p.A.**, which will provide technical assistance on request.

Legal notice - SLCMP version dated 01.03.2017

In the technical specifications herein, Draco Italiana s.p.a. used the indicators therein specified, with the relevant standards.

Please check if this Sheet and the figures therein contained apply to the product batch you are interested in or if they have been overridden by any later release. If in doubt, check whether this Sheet matches the one applicable at the time of finalising the sales agreement, at www.draco-edilizia.it, and/or contact our Engineering Department.

No advice provided by our staff, either verbally or in writing at your request, about the potential applications of the Products shall be binding under the sales agreement or shall be considered an integral part of the agreement. Such advice is based on our experience and on the best available practical and/or scientific knowledge; as such, it shall not be binding or conditional on the buyer or user. Please try our products first to find out whether they are fit for your intended use or application; in any case, you shall be solely responsible for your choice.