

DRACOFLEX BRAVO

UNIVERSAL POLYURETHANE SEALANT WITH LOW MODULUS OF ELASTICITY

Ideal for ultra-flexible bonding and sealing

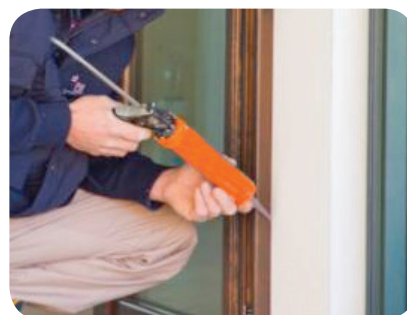


DRACOFLEX BRAVO is a single-component universal polyurethane sealant that provides high adhesion to substrates combined with elasticity. This product hardens through contact with atmospheric moisture thus producing elastic sealing of construction and expansion joints in both civil and industrial buildings. **DRACOFLEX BRAVO** is waterproof and resistant to most common industrial detergents and chemicals.

BENEFITS

DRACOFLEX BRAVO offers the following benefits:

- ✓ **HIGH ADHESION TO BOTH VERTICAL AND HORIZONTAL SUBSTRATES:** **DRACOFLEX BRAVO** adheres perfectly to most common materials used in building (concrete, iron, plastics in general, etc.)
- ✓ **EXCELLENT CHEMICAL RESISTANCE:** **DRACOFLEX BRAVO** is high waterproof and resistant to industrial detergents and other chemical agents.
- ✓ **EXCELLENT MOVEMENT WHEN IN SERVICE:** **DRACOFLEX BRAVO** provides excellent elastic elongation and elastic recovery.
- ✓ **GOOD RESISTANCE TO AGEING**
- ✓ **EASY TO APPLY, GOOD WORKABILITY:** **BRAVO DRACOFLEX** shall be simply applied using normal extrusion guns, and it has an excellent workability even at low temperatures.
- ✓ **HIGH YIELD:** The low consumption combined with the ease of application makes **DRACOFLEX BRAVO** a product with an exceptional cost/performance ratio.



IDEAL FOR

DRACOFLEX BRAVO is resistant to vibrations and thermal expansions, and thanks to its thixotropic properties it can be applied for elastic sealing of joints in vertical and horizontal surfaces of:

- ✓ precast panels and modular elements;
- ✓ doorjambs, window frames and facade expansion joints;
- ✓ skylights, flashings, downpipes;
- ✓ guttering and pipes in general;
- ✓ metal carpentry elements;
- ✓ interior and exterior joints subject to chemical attack.

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 BRAVO** 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.
- ▶ Immediately after applying **DRACOFLEX BRAVO** 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.

INDICATIVE CONSUMPTION OF DRACOFLEX BRAVO 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 BRAVO 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	75 min ca.
CURING SPEED	> 2.5 mm/24 h a 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%.

PRODUCT PERFORMANCE

SHORE A HARDNESS - ISO 868	15-25
MOVEMENT WHEN IN SERVICE	25%
MODULUS OF ELASTICITY - ISO 8339	elongation 100%: 0.15 - 0.25 MPa
ELONGATION AT BREAKAGE - ISO 8339	> 250%
ELONGATION AT FINAL BREAKAGE - ASTM D412	900%
TENSILE STRENGTH - ASTM D412	1.3 MPa
ELASTIC RECOVERY - ISO 7389	> 70%