



PRS.0101
PROTECH FLEX

Polyurethane sealant in a cartridge with a high modulus of elasticity

 **Customs Code**

3506 1000

 **Dosage**

3.2 unit /dm³

 **Packaging**

- Cartridge 310 cc
- Box: 12 x (Cartridge 310 cc)

 **Application**

- Apply by hand
- Dispensing gun

Family
Proseal

Product Lines

- Aqua
- Building
- Infratech

Type

Plastic and elasto-plastic sealants

Functional Categories

- **Transparent waterproofing of tiled terraces and balconies**
- **Osmotic waterproofing**
- **Waterproofing with hot-sprayed elastomeric coatings (100% pure polyurea)**
- **Waterproofing underground structures with hydro-expansive products**
- **Construction of high performance industrial concrete floors**
- **Waterproofing control joints or construction joints**
- **Horizontal cement waterproofing of terraces and balconies**
- **Prefabrication**
- **Plastering and loose-fill of cracks and cavities on plasters and facades**
- **Elastomeric sealing of expansion and shrinkage joints on concrete floors and screeds**

Components

Single-component

Appearance

Paste

General description

Mono-component, moisture-curing, fast-curing polyurethane sealant, with medium/high modulus of elasticity, permanently elastic, with high surface hardness, resistance to tearing and to weathering, paintable. Perfect for the deformable sealing of expansion joints on terraces and balconies, for filling joints on prefabricated walls and on wood products, steel, aluminium, copper, plastics, coatings, etc.

General features

- Free from solvents, PVC, halogenated compounds, odourless.
- Permanently elastic, high resistance to aging and to the atmosphere.
- Free of shrinkage and dimensionally stable.
- High thixotropy: it does not drip and does not create burrs. Easy workability.
- It is not sticky and does not accumulate dust and dirt.
- Over-paintable after polymerisation has been completed.

Fields of application

The high versatility and excellent adhesion to different media make PROTECH FLEX the most suitable adhesive sealant for flooring and roofing joints made of concrete, wood products, steel, stainless steel, aluminium, anodised aluminium, galvanized steel sheets, copper, plastics, etc.

Available colours

- White
- Gray
- Black

Basic features



Density:
 1.30 (± 0.05) g/cm³



Nonflammable



Shelf-life:
 12 months



Temperature of use:
 +5 / +35 °C



Use wearing protective gloves



UV-resistant

Technical specifications

Breaking load longitudinal (DIN 53504): 1.5 N/mm²

Complete hardening (a 20°C): 24 h

Dry residue (10' a 150°C): ≥95 %

Hard to touch (a 20°C): 60 min

Hardness (DIN 53505 - Shore A): 40 _

Longitudinal elongation at break (DIN 53504): ≥300 %

Static elastic modulus (DIN 53504): 0.6 N/mm²



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Tools cleansing

- Nitro thinner

Applicable on

- Plasters
- Concrete
- Cement-based or lime-based mortars
- Prefabricated concrete
- Drywall
- Wood
- Metal surfaces
- Plastic
- Fiber-cement
- Tiles
- Floor screed

Instructions for use

Slowly and carefully extrude the sealant from the cartridge in the specially prepared seat of the joint, with the appropriate gun (of the type for silicone). Before the total hardening of the sealant, spread it to the brim with spatula on the surface of the joint. After hardening, remove the adhesive tape.

Clean any product overflows from the seat of the joint with suitable solvents (like acetone or Nitro thinner).

Substrate preparation

The application supports must be perfectly clean and dry, free from dust and soiling. Preliminarily treating the side walls of the joint with the appropriate primer single-component polyurethane PROTECH FLEX PRIMER.

It is appropriate to provide for inserting into the joint, whatever its nature, the specific foamed polyethylene kerb FILTENE FONDOGIUNTO, of the appropriate size to the joint to be sealed.

Prepare an easily removable paper ribbon (coachbuilder ribbon type) on both sides of the joint, in order to prevent the sealant overflowing outside of the natural seating of the joint.

Storage and preservation

Protect from freezing. Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Protect from humidity. Store the product at a temperature between +5°C and +35°C.



Warnings, Precautions and Ecology

Technical and performance data outlined in this document are the result of laboratory testing conducted in a conditioned environment, as such they can result as considerably changed from operating and application conditions. The need follows to carry out preliminary tests in actual use conditions.

The user is required to check the product's most recent Material Safety Data Sheet, reporting physical-chemical and toxicological data, risk phrases and other useful information on how to safely transport, use and dispose of the product and its packaging. It is also reminded that the product and its packaging must not be dispersed in the environment for any reason.

Carry out preliminary adhesion and compatibility tests of paints in case of subsequently painting the sealant.

It is good practice for the depth of the sealing section not to exceed half the width of the joint. To this end, the depth will be determined by the placement of FILTENE FONDOGIUNTO.

PROTECH FLEX is produced/distributed by



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