

## 1. Product Description

Grafen Professional PU Sealant 50 is a single-component; moisture curing, polyurethane-based sealant material. It forms a flexible and tough joint with very good adhesion on most materials.

## 2. Properties

- One-component.
- Easy application with gun.
- Thixotropic.
- Cures with the humidity in the air.
- Paintable
- No volume change.
- Resistant to weather conditions and water.
- Permanent elasticity.

## 3. Technical Information

Chemical Base:	Polyurethane
Curing Mechanism:	Atmospheric Moisture
Specific gravity: (DIN 53479)	1,15 ± 0,03 g/cm <sup>3</sup>
Tack free time: (25°C and 50% R.H)	60-90 min.
Cure Rate: (25°C and 50% R.H)	2 mm/24 hour
Hardness (shore A): (DIN 53505)	50±5 Shore A
Tear Strength: (DIN 53515)	10 N/mm

## 4. Application Details

Application Temperature:	+5 °C to +35 °C
Temperature Resistance:	-30 °C to +80 °C

The application surface must be solid, clean, dry and free of dust, oil and grease. Apply a primer if necessary. If necessary, rub down metal surfaces before usage. Allow the substrate to dry after degreasing.

It is recommended to clean concrete with a metal brush.

## Selsil PU Sealant;

- Automotive Industry
  - Used in automotive industry OEM applications.
  - Suitable for sealing, seam sealing, simple bonding as well as for vibration reduction and sound deadening measures in crash body repair and car body construction.
  - Used in adhesion of metal and glass materials.
- Construction Industry
  - Is capable of adhesion to cement-based building materials, brick, ceramic, marble, glass, wood, galvanize steel, aluminum and most plastic surfaces.
  - Used in construction industry, in the cavities of the joints between building elements,
  - Used for joints and assembly of aluminum, PVC, wooden framing
  - Used for laying of roof tiles

## Usage

- Can be applied by a manual or pneumatic gun.
- After application, it is needed to smooth the joint with soapy water.
- Can be sanded
- It is suggested to use cartridge or sausage in 24 hours after opening.
- Do not apply at a temperature under 5 °C.
- In cold weather, store the packages at about 20 °C before use.

## Cleaning

Tools can be cleaned with alcohol or acetone before the sealant has completely cured. After curing, abrasion is necessary

### 5. Packaging

In 600 ml aluminum sausage,  
In 300 ml aluminum cartridge

### 6. Colors

White, Grey, Black, other colours on request.

### 7. Shelf Life

Store the product in a cool and dry place.

The shelf life is 12 months at temperatures between +5°C and +25°C.

### 8. Caution

Keep out of reach of children.

Avoid contact with skin and eyes.

Use in well-ventilated places.

Don't breathe vapors.

Do not smoke when using the product.

### 9. Health and Safety

For more information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing, physical, ecological, and toxicological and other safety related data.