



PU 50



Polyurethane
Sealant

Product Description

FANXIFLEX PU50 is a single-component, moisture curing, polyurethane-based sealant material.

It forms a flexible and tough joint with very good adhesion on most materials.

For automotive industry, it is used for 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.

It is used in adhesion of metal and glass materials.

For construction industry, it has good adhesion to cement-based building materials, brick, ceramic, marble, glass, wood, galvanized steel, aluminum, and most plastic surfaces. It is used in construction industry, to seal the cavities between building elements, also for joints and assembly of aluminum, PVC, wooden framing and laying of roof tiles

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.
- No over joint expansion
- Bubble free curing

Packaging

- In 600ml aluminum sausage,
- In 300 ml aluminum cartridge

Colors

White, Grey, Black and various colors

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.

Chemical Resistance

Resistant to water, seawater, diluted alkalis, cement grout and water dispersed detergent. Not resistant to alcohols, organic acids, concentrated alkalis, and concentrated acids, chlorinated (hydrocarbons) fuel.

Caution

Keep out of reach of children.
Avoid contact with skin and eyes.
Use in well-ventilated places.
Do not breathe vapors.
Do not smoke when using the product.

Make sure you have read our MSDS carefully before using this product

Application Details

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.

Usage

Can be applied by a manual or pneumatic gun.

After application, it is needed to smooth the joint with soapy water.

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.

FANXIFLEX PU50 cannot be on bituminous substrates, natural rubber, EPDM Rubber or on building materials which might bleed oils, plasticizers, or solvents which could attack the sealant.

If moisture-vapor-transmission condition exists from the substrate as this can cause bubbling within the sealant.

Opened cartridges should be used the same day.

During application, avoid air-entrapment

- There can be slightly color change in white and grey when exposed to ultraviolet rays.

Avoid contact with alcohol and other solvent cleaners during cure.

Maximum depth /width of sealant must not exceed 12 mm; minimum is 5 mm.

Cleaning

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

Technical Information

Chemical Base	Polyurethane
Curing Mechanism	Moisture
Specific gravity (DIN 53479)	1,08 ± 0,03 g/cm ³
Tack Free Time (25°C, 50% H.R)	50-70 min
Cure Rate (25°C, 50% H.R)	3 mm/24 hours
Elongation at Break (ISO 37)	> 300%
Hardness Shore A (ISO 868)	50±5
Tensile Strength (ISO 37)	>2.5 N/mm ²
Application Temperature	+5 °C to +35 °C
Temperature Resistance	-30 °C to +80 °C

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