

1. Product Description

Grafen Professional Hybrid 50 Sealant & Adhesive is one component, moisture curing, high performance hybrid based sealing material.

Grafen Professional Hybrid 50 Sealant & Adhesive is a new generation isocyanate-solvent free sealant that brings together all the mechanical properties of polyurethane and silicone sealant.

2. Properties

- Easy application
- Environment friendly
- Solvent and isocyanate free
- Due to the curing mechanism, no release of volatile organic components (VOC's)
- Non sag
- No bubble formation
- Excellent UV resistance
- Non-yellowing
- Exceptional thixotropy
- Excellent temperature resistance
- Resistant to chemicals.
- Water proof
- Resistant to weathering and aging
- It is not affected by expansion movements
- Excellent elongation
- High adhesion property
- Very low shrinkage
- Paintable with all types of paints. (including water-based paints)
- Very good adhesion to most construction materials.

3. Technical Information

Chemical Base:	Silane Terminated Polymer
Specific gravity: (ASTM D 1045-86)	1,56±0,03 g/cm ³
Tack free time: (25°C and 50% R.H)	>15 min.
Shore Hardness: (ASTM D 53505)	55±5
Elongation at break(%): (DIN 53504)	> 250
Tensile strength(MPa): (DIN 53504)	> 1,80

4. Application Details

Application Temperature:	+5 °C to +35 °C
Temperature Resistance:	-40 °C to +90 °C



GRAFEN PROFESSIONAL SEALANT & ADHESIVE HYBRID 50

The application surface must be solid, clean, dry and free of dust, oil and grease.

Grafen Professional Hybrid Sealant 50 is suitable for mounting and pasting of materials such as metal, aluminum, glass, plastic, wood and concrete with each other.

It can be used for construction industry, both indoors and outdoors as an elastic adhesive;

- Insulation of window and door elements,
- Connection joints of wood and metal structures,
- Installation and insulation of facade elements,
- Kitchen and bathroom sealing applications,
- Building facades,
- Roof constructions,
- Concrete joints.

5. **Packaging**

Sausage, cartridge

6. **Colors**

White

7. **Shelf Life**

Store the product in a cool and dry place.

The shelf life is 16 months at temperatures between +5°C and +25°C.

8. **Caution**

Keep out of reach of children.

Avoid contact with skin.

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.