

Product Information Sheet

Vi-Pro IG Insulating Glass Silicone

Version: 1-EN**Revision date: 20.12.2020**

Vi-Pro IG Insulating Glass Silicone

Product description:

Vi-Pro IG Insulating Glass Silicone is a one part, neutral system silicone sealant that cures with the atmospheric moisture, producing a flexible rubber extremely resistant. Ready to use without previous mixtures.

Vi-Pro IG Insulating Glass Silicone has a high speed curing time and it becomes a very resistant and flexible rubber with high insulating performances. It shows excellent adhesion to all kind of glass without primer. Do not contains solvents.

Typical properties:

Basis	Neutral oxime silicone
Consistency	Non-slump paste
Extrusionability	0,54 ml/s
Penetration	190 mm
Specific gravity (ISO 2811-1)	Approx. 1,23 g/ml
Tack free time	3 min. (at 23°C; 50% R.H.)
Skin forming time	30 min. (at 23°C; 50% R.H.)
Deep curing	0,72 mm/24 hr. (at 23°C; 50% R.H.)
Application temperature	Between +5°C to +40°C

Properties of the cured product

Service temperature	Between -55°C to +150°C
Shore A hardness (ISO 7619-1)	28
E-Modulus 100% (ISO 37)	0,51 MPa (24 hr., at 23°C; 50% R.H.)
	0,59 MPa (7 days, at 23°C; 50% R.H.)
Tensile strength (ISO 37)	1,09 MPa (24 hr., at 23°C; 50% R.H.)
	1,38 MPa (7 days, at 23°C; 50% R.H.)
Elongation at break (ISO 37)	374 % (24 hr., at 23°C; 50% R.H.)
	390 % (7 days, at 23°C; 50% R.H.)

These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. The time until complete curing may be extended at lower temperature, lower humidity or increasing film thickness.

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Main benefits:

- Neutral cure sealant. Odourless and non-corrosive.
- Fast cure and solvent free.
- Excellent adhesion to glass, aluminium, galvanized steel spacers, zinc.
- Splendid UV-resistance.
- High level of mechanical properties.
- Great thermal stability.
- Suitable for all types of climates.
- Outstanding aging properties.

Recommended application conditions:

Vi-Pro IG Insulating Glass Silicone has a good adherence to supports as glass and aluminium. It is recommended to be used in general elastic sealing applications between glass-glass and on aluminium- glass.

Surfaces to be sealed should be clean and dry, free of dust or grease, which could cause a deficient adherence.

The application is simple, quick and safe because product is ready to use, it does need previous mix.

It is applied with a hand or pneumatic gun.

The quick manipulation of the inserted units is possible due to its fast curing time.

Cautionary notes:

Do not use on bituminous substrates or on building materials which might bleed oils, plasticizers or solvents. (e.g. natural rubber, chloroprene, EPDM, ...).

There is no adhesion to PE, PP, PTFE (Teflon®). We recommend a preliminary compatibility test.

Cannot be overpainted.

Not intended for structural glazing.

Not recommended for the construction or sealing of aquariums or in direct contact with food.

Packaging and colours information:

Vi-Pro IG Insulating Glass Silicone is available in 600 ml sausages. Other packaging is available under request.

Colour: Black. Other colours are available on special order.

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Storage and safety precautions:

The shelf life is 12 months in the original unopened original packaging, in dry conditions and protected from direct sunlight at temperatures between +5°C and +25°C.

Use in well ventilated areas and avoid skin and eye contact. Keep out of the reach of children. For further safety information see the corresponding Safety Data Sheet.

Customer notice:

The information supplied is accurate to the best of our knowledge and is based on reliable tests and practical experiences. Properties quoted are intended, as a guide and do not therefore constitutes a specification. Customer/user should thoroughly test any application to be sure that product corresponds to the required performances. The sole warranty is that the product will meet the sales specifications in effect at the time of shipment. Exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. The Seller shall not be liable for any incidental or consequential damages.

More information available at: +48 22 122 85 49 or reach@vi-pro.eu