

PROSYTEC

**INSULATING
GLASS**

PROGLAZE

580

One Component
High-modulus
Silicone
Elastomer

DESCRIPTION

PROGLAZE 580 is a one component, odourless, ready to use neutral silicone elastomer (methoxy type) mainly used as second barrier seal in the Double Glazing market.

It cures at room temperature under the effect of natural air humidity to give a flexible seal with high mechanical performance levels.

CHARACTERISTICS

Sealant type	Alcoxy (methoxy)
Specific gravity	1,25
Colour	Black
Pour resistance (EN 27390)	<= 1 mm
Skin formation time min. approx. (*)	15 minutes
Curing rate mm/1day, approx.	2,5 mm (*)
mm/3 days, approx.	5 mm (*)

(*) at 23°C and with a relative humidity of 50%
Application temperatures from +10 to+ 40°C

Shore A Hardness (ISO 868), approx. 35
(after 7 days curing on a 6 mm thick film)

Elastic recovery (EN 27389) > 95%

Mechanical properties
(on ISO glass specimens according to EN 28339)

- Modulus at 12,5% elongation, Mpa, approx	0,22
- Modulus at 50% elongation, Mpa, approx.	0,63

Tensile strength, Mpa, approx. 0,8

Elongation at break, %, approx. 100

Water vapour permeability, for a 1 mm
section and a pressure difference of
1 mm Hg)
in g/m2/day, approx. 20

ADVANTAGES

- Odourless
- Non corrosive
- Fast curing
- Outstanding durability and perfect resistance to UV, ozone, humidity and sea fog.
- Easily extrudable
- Short tack free time
- Meets the requirements of the specifications
- Proglaze 580 is perfectly suited to horizontal and vertical application.
- Proglaze 580 can be used with various types of conventional coated glass without any risk of attacking the latter.

PROGLAZE 580

PROCESSING

The equipment required to apply PROGLAZE 580 comprises a moving-top pump combined with a dispensing gun. The connecting piping must be made from humidity-tight materials and be capable of withstanding the pump exit pressure.

PROGLAZE 580 must be applied to clean, dry surfaces free from dust.

Use only with “ double barrier” type systems.

It is advisable to carry out prior compatibility and adhesion tests with treated glass. Please consult us for already tested glass.

In the case of double glazing for use in structural glazing applications, please refer to local regulations.

PACKAGING AND STORAGE

PROGLAZE 580 is available in drums of 250 kh, 35 kg pails or in 310 cm³ cartridges.

PROGLAZE 580 should be stored in dry and cool conditons.

PROGLAZE 580 has a shelf-life of 8 months when stored at a temperature between -20°C and + 30°C in its original unopened packaging.

CONFORMITY

PROGLAZE 580 has been tested on insulating glass units type 4-12-4 according to the “double barrier” system. After 336 cycles as described in the standard NF P78451, the humidity penetration rate is inferior to 0,2.

SERVICE CLIENTS

PROSYTEC SA dispose d'un service de conseil et d'assistance technique :

■ **Téléphone : 01 34 58 57 01.**

Les fiches techniques et les fiches de données de sécurité sont disponibles sur :

■ **Minitel : 08 36 05 10 12 Prosytec**

■ **Internet :**

<http://www.tremco-prosytec.com>

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