

PROSYTEC**CONSTRUCTION****PROGLAZE**[®]**551**

A ONE PART NEUTRAL CURING MEDIUM MODULUS SILICONE SEALANT

KEY BENEFITS SUMMARY

- **No priming : Good adhesion without primer to most common substrates.**
- **Neutral Cure - Odourless : No risk of any corrosion of substrate by acid or amine generation or associated odour.**
- **Single component : Requires no mixing and is immediately ready for use.**
- **Exceptional weather resistance : Resists ultra violet, ozone and moisture exposure;**
- **Label SNJF classification : Elastomer 1ere cat. Glazing 1ere cat.**

DESCRIPTION

PROGLAZE 551 sealant is a one component, odourless, ready-to-use, neutral silicone elastomer (methoxy type) intended to produce sealing and bonding joints. It cures at room temperature in the presence of air moisture to give a flexible and strong seal with medium modulus of elasticity.

PROGLAZE 551 sealant adheres without a primer on virtually all surfaces found in building construction and accepts movements of 25% in continuous service within a wide range of temperatures.

SPECIAL PROPERTIES

PROGLAZE 551 sealant combines the advantages of a primerless adhesion elastomer and neutrality on most construction materials, including porous surfaces. Its mechanical and adhesive properties are not affected by solar radiation, rain, snow or ozone and enable it to perform its function over many years.

PROGLAZE 551 sealant can be used on clear glass, layered glass and all other glazed surfaces, metals, wood (painted or otherwise), PVC, polycarbonates, polymethylmethacrylate, ABS, concrete, cellular concrete, granit, marble, etc...

PROGLAZE 551 sealant does not generally cause staining of surface. Nonetheless, specific testing is required in the instance of sensitive surfaces, especially porous ones (marble, stone, etc..).

Chemical resistance : once cured PROGLAZE 551 sealant has good resistance to diluted bases and to salt mist.

APPLICATIONS

PROGLAZE 551 sealant is specially intended to produce sealing and bonding joints in the construction and glazing industries. It provides an elastic and long lasting seal in the instance of :

PROGLAZE 551

- Heavy prefabricating and traditional masonry work,
- Partition walls, panels and facades, metal framework,
- Elastic seals in glazing applications, on aluminium, wooden, PVC frames, etc...
- Joints for terracing, fireplaces, acroters,
- Ventilation ducts, piping passagers, guttering and downpipes,
- Bonding of mirrors,
- Bonding of materials subject to vibrations

CHARACTERISTICS

- Type of sealant : alcohol (methoxy)
- Specific gravity, approx. : 1,38
- Slump (EN 27390), approx. : < 1 mm
- Skin formation time, approx. (*) : 10 min
- Tack-free time, approx. (*) : 45 min
- Curing rate, approx ; (*) : 2 mm/1day
9 mm/7days
- Application temperature : + 5 to + 40°C
- Service temperature : - 50 to + 120°C
- Deformation : 25%
- Shore A hardness (DIN 53505) : 20
(*pillling of 3 x 2 mm films, after curing for 7 days*)
- Elastic recovery (EN 27389) : > 85%

Mechanical properties on specimens according to EN 28339

- Modulus at 100% elongation : 0,35 MPa
- Tensile strength, approx. : 0,5 MPa
- Elongation at break, approx. : 250 MPa

(*) : *at a temperature of 23°C and at relative humidity of 50%*

PROCESSING**Surface Preparation :**

All surfaces must be dry and clean, free from any dust and grease or anything which may be detrimental to correct adhesion of the sealant. Degreasing is performed using a pad soaked in solvent, followed by wiping with a clean cloth. Dust is removed using oil-free compressed air.

Primer :

PROGLAZE 551 sealant does not require a primer on most usual surfaces. In case of joints likely to be immersed and especially for porous surfaces, the application of a specific, two-component primer, ref. 10058 is recommended, please consult us.

Joint dimensions :

Expansion joints are generally subject to local regulations. Unless otherwise required, the following rule-of-thumb should be complied with : width of twice the thickness (taking account of the acceptable deformation for the sealant.)

Applying the sealant :

Once an appropriate seal backing has been put in place (closed-cell polyethylene foam with surface skin or open cell polyurethane foam) the sealant should be applied taking care to ensure that the joint is completely filled. Smoothing off the seal ensures good contact between the sealant and the bonding surfaces. It should be carried out using a dry spatula before the surface skin is formed.

Limits of use :

- PROGLAZE 551 sealant must not be used :
- to produce aquariums,
 - to produce swimming pool joints,
 - in food grade applications.

AVAILABLE COLOURS

Pvc white, grey, black.

PACKAGING

PROGLAZE 551 sealant has a shelf life of 12 months from its date of manufacture. PROSYTEC S.A guarantees the product for 9 months from the shipment date, when stored at a temperature below 30°C in its original unopened packaging.

SAFETY

Consult the Safety Data Sheet.

CUSTOMER SERVICE

PROSYTEC SA has a team of experienced technical Sales Representatives who provide assistance :

■ **Tel : + 33.1.34.58.57.03.**

Technical, health, and Safety data sheets are available :

■ **Internet :**

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

The above information is given in good faith according to our knowledge at the time of publication. Before using, we advise our users to ensure that the product complies with intended use. The product's guarantee is regulated by our sales conditions, professional and legal rules.

Prosytec

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