



# pens® PVC

neutral

Technical Data Sheet

**pens® PVC** is a silicone sealant of neutral curing. With excellent weather resistance; designed for perimeter sealing between PVC windows with walls of different materials.

## Product Data

PROPERTIES	VALUE	TEST METHOD
Chemical base	Neutral alkoxy	
Aspect	Soft paste	
Skin over time	25 min (77 °F, 50% RH)	ASTM-C-679-15
Curing Ratio	3 mm/day (77 °F, 50% RH)	ASTM D-1640-14
Density	1.02 to 1.03g/ml	ISO-1183-1A
Application temperature	41 °F to 104 °F	
Service Temperature	-40 °F to 302 °F	
Elongation	Aprox. 250%	ISO 8339A
Tensile Strength	Aprox. 87.02 lbf/in <sup>2</sup>	ISO 8339A
Shore A Hardness	24	ISO 868
Movement Capability	±25%	ISO 11600
U.V. Resistance	Excellent	ASTM-G-154-16

Information obtained from laboratory tests.

## Uses

**pens® PVC** has been designed for:

- Sealing joints between PVC windows profiles.
- Perimeter sealant for PVC windows with masonry.
- Seal joints of PVC profiles against glass.
- As sealant in the manufacturing of pre-formed PVC windows.

## Advantages

- Free of solvents.
- Easy and fast application.
- Excellent adhesion.
- Good movement capacity.
- Adhere to most substrates without primer.

## Application

The surfaces to be sealed shall be firm, dry, clean free of dust, grease, oil, water and old sealant. Porous surfaces shall be cleaned with brush or applying compressed air to remove all loose particles. In case of smooth surfaces (like glass, metal, etc.) it shall be done a cleaning with two cleaning clothes, consisting in passing a (lint free) cleaning clothe impregnated with isopropyl alcohol, and removing immediately all the impurities with a clean and dry cleaning clothe. Place a masking with masking tape on the surfaces to limit the area to be sealed. Introduce **pens® PVC** in a caulk gun, cut the upper part of the cartridge, then place the pipette and cut at 45° calculating the width of the joint to be sealed. Pull the trigger to press the piston and the product will flow on the joint. Apply the sealant like a cord on the surface to be sealed. It shall be left minimum a section of 6 x 6 mm and maximum 25 mm. Then pass again in opposite direction of the first application, with a curved spatula to penetrate in the joint as necessary, for better adhesion and to break the air bubbles that may be trapped during the application, at the end of application remove the masking in opposite direction to application in a continuous but controlled movement. The excess could be removed before curing with a cloth dampened in isopropyl alcohol.





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## Recommendations

- Perform tests under actual application conditions to guarantee its proper operation.
- Do not apply in wet surfaces or materials in curing process.
- To form a proper joint of the sealant and prevent the adhesion to a third surface, it is recommended to be used as a support for polyolefin cylindric extrusion SOF Rod or polyethylene HBR (see technical sheet).
- The ratio between width and depth for joints of 6 mm and up to 10 mm width will be 1 to 1 (width = depth) and in joints larger than 10 mm and up to 25 mm, it will be of 2 to 1 (depth = width/2).

## Maintenance

- It does not require any maintenance, however.
- If the seal suffers any damage, clean the surface before applying and replace the damaged section with new sealant.

## Precautions

- Keep out of the reach of children.
- Do not perform the cleaning with products that could leave residues (like thinner).

## Limitations

- It is not recommended as structural sealant.
- It is not recommended to be in continuous immersion in water.
- As sealant or adhesive of PVC piping.

## Presentation

### Packaging and Colors



- White
- Transparent\*

\*Special colors only under request

## Coverage

A cartridge lasts 7.75 m, in 6 x 6 mm joints, considering a 7% waste.

## Shelf Life

18 months kept in a fresh and dry storage, in its original packaging at a 21 °C (70 °F) temperature and 50% of atmospheric moisture.

## Technical Support

Productos Pennsylvania's Technical Support is at your service, assisting you with:

Guidance in how to apply this or any of our products.

Blueprint reviews.

Joint dimension calculus.

Compatibility and adhesion testing of our sealants with different materials.

## NOTE:

Productos Pennsylvania S.A de C.V. provides technical assistance when required. Please contact our Technical Department regarding use and application of this product. It is the user's responsibility to test the product and its uses before application.

Productos Pennsylvania, S.A. de C.V.

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the caulking expert

