

**ferresilicón®** is a one component, fast curing silicone sealant. It cures with atmospheric moisture generating a lasting, economic silicone rubber.

### Product Data

PROPERTIES	VALUE	TEST METHOD
<i>Basis</i>	Acetic silicone	
<i>Appearance</i>	Paste	
<i>Skin over time</i>	20 - 25 minutes (25°C, 50% RH)	ASTM-C-679-87
<i>Full cure</i>	2 mm/day (25°C, 50% RH)	ASTM-D-1640
<i>Density</i>	0.98 – 0.99 g/ml	ASTM-D-1475-98
<i>VOC</i>	<30 g/L	
<i>Application temperature</i>	-20°C to 50°C	
<i>Continuous operating temperature</i>	-20°C to 110°C	
<i>Elongation</i>	>320 %	ASTM-D-412-98a
<i>Tensile strength</i>	16.40 kgf/cm <sup>2</sup>	ASTM-D-412-98a
<i>Hardness, Shore A</i>	20 – 25	ASTM-C-661-98
<i>Movement capability</i>	± 25%	ASTM-C-719
<i>U.V. Resistance</i>	Excellent	ASTM-G-154

Information obtained from laboratory tests.



### Uses

- Seal window glass.
- Seal hermetic, waterproof and lasting joints between smooth surfaces.
- Seal aluminum, glass, ceramic or porcelain.
- Seal glass cabinets or ceramic elements.
- Seal medium fish tanks.
- Repair small gas leaks (keep piping flow closed until the sealant is fully cured).

### Advantages

- Easy to apply and quick formation of skin over time.
- Great movement capability.
- Excellent adhesion to dry and clean surfaces.
- Low VOC level.

### Application

Make sure that surfaces about to seal are steady, dry, clean, and free from dust, grease, oil, water or old sealant. Clean smooth surfaces (such as glass or metal), clean using a two-rag wipe technique, that consists in wiping the material using a no lint rag wet with isopropyl alcohol, use the second rag to wipe the wet alcohol from the surface before it evaporates, removing all contaminants.

Mask where necessary using Masking Tape on the surface to delineate the area before applying the sealant.

Place **ferresilicón®** in the caulking gun, cut the upper part of the cartridge, then place the nozzle and cut it in a 45° angle calculating the joint width. Push the gun's trigger pumping the product towards the joint. Apply the sealant on the surface maintaining a regular cord. The minimum joint must be of at least 6 x 6 mm and of maximum 25 mm. Tooling must be done in the opposite way of application using a curved spatula, forcing the sealant into contact with the sides of the joint achieving a better adhesion and eliminating possible internal voids. At the end of the application, remove the mask detaching it in a continuous and steady move in the opposite way of application.

Remove the excess of sealant using a rag wet with isopropyl alcohol right after the application.

## Recommendations

- Testing is suggested under real application conditions to ensure its correct performance.
- Do not apply on wet surfaces or curing process materials.
- To create an adequate joint and avoid contact with a third surface, it is recommended to use a cylindrical polyethylene or polyurethane extrusion: Sof Rod or HBR (see data sheet).
- Joint range of width and depth from 6mm to 10mm will be 1:1 (width = depth), and for joints wider than 10mm and up to 25mm it will be 2:1 (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

- Sealant must not be applied in closed areas for it needs atmospheric moisture to vulcanize.
- Uncured product can cause irritation in eyes and skin if exposed for too much time. If bother persists, rinse generously, passed 15 minutes consult with a doctor.
- Do not leave in children's reach.

## Limitations

- On damp surfaces.
- As mirror adhesive, it may stain it.
- Surfaces that will require painting.
- Do not use as structural sealant.

## Presentation

### Packaging and Colors



- White
- Black
- Transparent

### Coverage

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

### Shelf life

12 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.

**Soporte técnico: 01 800 90 210 00**  
**soporte.tecnico@pennsylvania.com.mx**  
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### 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.*