

# silicone shims

## accessories

Technical Data Sheet

**100% silicone shims** prevent the contact of the glass with the lower horizontal aluminum profile, designed to support dead load or the own weight of the glass. They are manufactured with hardness according to the current glazing standards and comply ASTM standards.

## Technical Information

PROPERTIES	VALUE	TEST METHOD
Hardness Shore A	80 ± 5	ASTM D-2240
Tensile strength	725 psi	ASTM D-412
Elongation	100%	ASTM D-412
Tear resistance	9 kN/m	ASTM D-624
Compression	20%	ASTM D395
Service temperature	-40 °F to 392 °F	

Information obtained from laboratory tests.

## Uses

**silicone shims** has been mainly developed for:

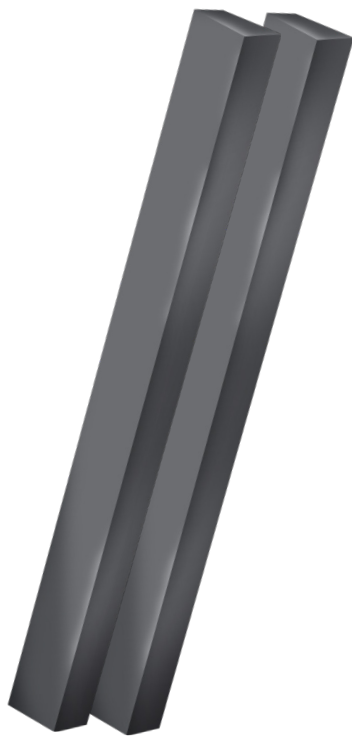
- To shim glasses in facades of a curtain wall in structural systems.
- To shim glasses in integral facades in the systems in which it is required to support the weight of the glass.
- To shim glasses in doors and windows in their different modalities and residential lines.
- To shim glasses in skylights which slopes are larger than 15% of slope.

## Advantages

- Comply the specifications of glass manufacturers and normativity's for usage.
- Compatible with all our structural and outdoor silicones.
- Excellent memory (section recovery).
- Defined section that prevent the contact between the glass and support material (normally aluminum).
- It does not require insulation with adhesive tape for placing.
- Long working life without losing properties.
- Heat insulating to prevent glass breaking due to aluminum or glass itself overheat.
- Prevent the contact of the glass with several construction materials, achieving that the glass works independently preventing breaks and general problems for the buildings.

## Application

Before placing the shims, it is recommended that the surface is clean, this is free of dust, aluminum burr, oils or any foreign material. It shall be placed 2 silicone shims in the lower profile where the glass will be placed, at quarters of clearance to seat the glass. It shall be used a minimum of 6 cm of shim per each 15 kg of glass. This means that it will be placed two pieces of 3 cm at quarters of the clearance of the glass for each 15 kg of weight of glass. Depending of the aluminum profile mouths, width of noses and glass thickness, is how will be determined the correct sizes.





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## Recommendations

- The shim shall carry the glass completely in systems where the glass will be framed. It is recommended in this case that the shim is 1/16" thinner than the width of the profile mouth.
- In double glass units, the shim shall shim the internal glass and at least half of the external glass.
- Perform tests under actual application conditions to guarantee its proper operation.

## Maintenance

- Does not require maintenance.

## Precautions

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

## Limitations

- It does not have any.

## Presentation

Code	Thickness
CLS11N966	Silicone shim 1/4" x 3/8" x 4"
CLS11N975	Silicone shim 1/4" x 1" x 4"
CLS11N960	Silicone shim 1/8" x 3/8" x 4"
CLS11N968	Silicone shim 1/4" x 1/4" x 4"
CLS11N963	Silicone shim 3/16" x 3/8" x 4"

### Colors

- Black

## Performance

According to the application.

## Shelf Life

12 months in cold and dry warehouse in its original packaging at temperatures of 21 °C (70 °F) and 50% relative humidity.

## 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

