

# ACT-100 tape (adhesive clear tape)

tapes

Technical Data Sheet

**ACT-100 tape (adhesive clear tape)** is an acrylic tape with exceptional internal strength that provides great adhesion. Specially indicated for cases where the visual factor is important, because is totally transparent and invisible after application.

## Technical Information

PROPERTIES	VALUE	TEST METHOD
Density	64 (1025) lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	ASTM D-1667
Adhesion peel 90°, oz/in (N/cm)	144 (16)	NTP-9
Dynamic shear adhesion, psi (kPa)	40 (276)	ASTM D-3163
Tensile strength psi (kPa)	150 (1,034)	ASTM D-412
Foam elongation	275%	ASTM D-412
Application temperature	15 °C to 45 °C (59 °F to 113 °F)	
Working temperature	-35 °C to 90 °C (-31 °F to 194 °F) Short periods of 150 °C (302 °F)	

Information obtained from laboratory tests.

## Uses

**ACT-100 tape (adhesive clear tape)** has been mainly developed for:

- Safety glass lamination (shatterproof).
- Laminated windows and doors.
- Accessories for glass doors.
- Signaling.
- It could offer a great adhesive strength to reduce or substitute conventional mechanical fastening, like rivets, liquid adhesives and welding.

## Advantages

- Excellent transparency.
- Acrylic adhesive core.
- Good instant adhesion.
- Eliminate punctual stress along the tape.
- Proper adhesive for a strong and lasting adhesion.
- Excellent environment resistance.
- The performance improves at higher temperatures.

## Application

The surfaces shall be free of dust, grease, oil, water and soil. The cleaning of smooth surfaces (like glass, metal, etc.) shall be done 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. Do not remove the protector until the tape is in correct position. Do not touch the adhesive surface before applying the tape. To be sure that the pieces are correctly placed, once placed the tape the protector is removed on one corner until the piece is in the desire position, remove all the protector and apply a uniform pressure so the tape is perfectly aligned to the material. As larger the contact between the adhesive and the surface, larger is the resistance of the adhesive bonding. The adhesion strength will depend on the substrate surface, application temperature and complete adhesion time (time of contact of the adhesive of the tape to the substrate surface to fully humidifying it.) When possible, allow a complete adhesion time of at least 24 hours at ambient temperature before submitting the tape to load.

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## Recommendations

- Perform the cleaning of the substrates correctly.
- Do not remove liner or touch the adhesive during the installation to prevent contamination.
- Perform tests under actual application conditions to guarantee its proper operation.
- Do not stretch the tape during installation.

## Maintenance

- No maintenance required.
- If the application zone or the adhered piece suffer any damage, it is recommended to replace the tape for a new one eliminating the previous residues and following the application recommendations.

## Precautions

- It is not recommended to use in fabrics, concrete or porous surfaces, loose paints, rough surfaces or similar.
- Do not clean with products that can leave residues (like thinner, that may also affect the finishing of the products).

## Limitations

- It is not recommended for structural systems.
- It does not eliminate mechanical restraint completely.

## Presentation

### Colors

- Transparent

## Coverage

Code	Thickness	Width	Meters/ Roll
ACT-1125	0.040"	1/4" up to 1"	33

## Shelf Life

12 months in cold and dry warehouse.

## 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

