

CAT-2300 tape

tapes

Technical Data Sheet

CAT-2300 tape is an acrylic visco-elastic tape of high performance with high adhesive strength and excellent dynamic movement capacity. It is an excellent option for aluminum composite panel systems and applications, in which wind load is expected, as well as thermal expansion and contraction, inside and outside.

Technical Information

PROPERTIES	VALUE	TEST METHOD
Density	45 PSF (720 kg/m ³)	ASTM D-1667
Peel strength 90°	320 oz/in (3500 N/m) in stainless steel	ASTM-D-333
Dynamic traction adhesion	95 PSI (655 KPA)	ASTM-D-897
Dynamic shear adhesion	80 PSI (550 KPA) in stainless steel	ASTM-D-1002
Constant work temperature	-40 °C to 95 °C (-40 °F to 200 °F)	
Application temperature	16 °C to 52 °C (60.8 °F a 125.6 °F)	
Intermittent work temperature	Up to 150 °C (300 °F)	

Information obtained from laboratory tests.

Uses

CAT-2300 tape has been mainly developed for:

- Being a complement in the installation of the aluminum composed panel system on interior and exterior aluminum structures and helping to provide a uniform facade to the aluminum composed panel.

Advantages

- Great weather and UV resistance.
- Reduce the quantity of mechanic clamping elements.
- Help to mitigate the stress caused by thermal expansion and contraction of materials.
- Absorb vibrations and distribute the stresses along the bonding line.
- Prevent corrosion of two different materials by eliminating the contact between them.
- Easy and fast application.
- Help to reduce installation times due to less mechanical fastening (screws).
- Time and heat improve tape adhesion to substrates.
- Work as a energy diffuser to minimize the punctual stresses in the screws and punctual fastenings.

Application

The surfaces to be sealed shall be clean, free of dust, grease, oil, humidity and soil. 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. Do not remove the protector liner until the tape is in correct position. Do not touch the adhesive surface before applying the tape. To ensure the correct paste of the pieces once placed the tape remove the protector from one edge until the piece is in the desire protection, remove all the protector and apply a uniform pressure so the tape is perfectly bonded 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.).

NOTE: Optimal adhesion for the tapes is achieved within 72 hours.





CAT-2300 tape

tapes

Technical Data Sheet

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.
- Annual inspection is recommended to ensure the integrity of the installed system.

Precautions

- Keep out of the reach of children.
- Do not clean with products that can leave residues (like thinner, that may also affect the finishing of the products).
- Do not place the tape in dirty or unstable surfaces (steel without paint or wood).

Limitations

- It is not recommended for structural systems.
- It does not laminate completely the mechanical fastening.

Presentation

Colors

- Grey

Coverage

Thickness	Width	Meters Rolls
2.3 mm	1/2"	16.45
2.3 mm	3/4"	16.45
2.3 mm	1"	16.45
2.3 mm	1 1/2"	16.45

Shelf Life

12 months in cool 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.

Camino a San José 1, Fracc. San Pablo Tecnológico, C.P. 76150, Querétaro, Qro. México

* Trademarks registered by Productos Pennsylvania S.A. de C.V.
Date of production: April 2023

the caulking expert

