FOAM TAPE 2S312

Flexible double-sided foam tape for panel installation with the Sigill Tecnopanel System.

DESCRIPTION

Foam Tape 2S312 is a flexible double-sided foam tape for bonding architectural panels on substructures in ventilated or insulated facades. Designed to ensure instant adhesion, this tape is composed of a flexible foam that offers a perfect combination of strength and flexibility. Its innovative structure allows it to absorb vibrations and compensate for thermal expansion, making it ideal for outdoor applications, specifically the installation of ventilated facades and architectural panels. Suitable for various materials such as HPL, ceramics with or without reinforcing mesh, fibre cement and mineral panels in general, aluminium composite panels (ACP) or other metals (TMCP), engineered stone.

SPECIAL FEATURES

- It provides excellent adhesion and weather resistance.
- The flexible foam allows it to adapt to uneven surfaces and absorb mechanical stress.
- Designed to withstand UV rays, humidity, extreme temperatures and chemicals.
- Simple to apply, it reduces installation time and does not require the use of special tools.

TECHNICAL FEATURES

Appearance		Flexible polyethylene foam
Color		Black
Chemical nature of adhesive		Modified acrylic
Density *(Method NT06) (23°C and 50% RH)*	*kg/m3*	Ca.. 50
Thickness	*mm*	Ca. 3
Width	*mm*	Ca. 12
Adhesive strength *(Afera 5001)*	*N/25mm*	Ca. 15
Application temperature	*°C*	+5 to +35
Thermal resistance	*°C*	-30 to +100

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APPLICATION

In the application of the **Tecnopanel System System** , it is essential to refer to the compatible materials present in the ETA certification; nevertheless, it is advisable to carry out preliminary tests of adhesions to the substrate selected according to the cycle and pre-treatments indicated in the system.

The optimal application temperature for the substrate is between 10°C and 25°C, however the system is applicable between 5°C and 35°C. Do not apply during rain, frost, fog, or dew hazard, as this will cause surface condensation.

This product is only suitable for experienced professional users.

Apply **Foam Tape 2S312** to the support structure with light pressure and remove the protective film. Complete the installation of the panel within a few minutes, in order to avoid contamination of the adhesive surface by construction site dust.

For the correct application procedure of the **Tecnopanel System System**, refer to the guide for installing the system, summarized here:

Surface preparation

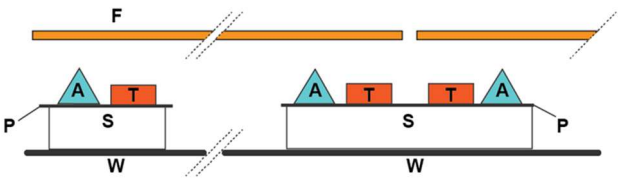
Thoroughly clean the surfaces to be bonded with **Tecnocleaner 400** and a cloth, apply **Tecnoprimer 160** on the surfaces where it is intended (ceramic and fibre cement) and **Tecnoprimer 130** on the aluminium structures. Allow each component to dry before proceeding with gluing, according to the timing of the data sheet.

Tape and adhesive application

Tape the substructure to facilitate the initial positioning of the panels, in the measure of two strips for each vertical upright positioned in the central part of the profile.

Apply the beads of **Evolution Tecnopanel 699** laterally and externally with respect to the double-sided adhesive, in the measure of two for each upright. The bead must have a triangular section, with a 12 mm base and a height of 6 to 8 mm. Please refer to the following picture:

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W: Wall/Building Wall
S: Aluminum structure
F: Architectural façade/panel
P: Primer, applied in film
A: Adhesive, triangular base beaded 12mm height 6-8mm
T: Tape, 12mm Base Height 3mm

Positioning the panels

The positioning of the panels on the substructure must be carried out with adequate pressure on the double-sided adhesive tape on the sealing beads; This will go from triangular to rectangular shape with a base of 12 mm and a height of 3 mm as per the project specification; the panels will need to be properly spaced and aligned before adhesion

Curing times and visual inspection

The adhesive will be completely cured in thickness from 3 to 7 days depending on environmental conditions, the initial adhesion is guaranteed by double-sided adhesive tape. Check that the panels remain stationary during the curing process and that the joints, alignment, and flatness of the glued surfaces are free of defects

FORMATS

Description	Pieces
Rolls of 20m section 3x12mm	34

PRODUCT LIFE AND STORAGE

Foam Tape 2S312 can be stored for 36 months in its original packaging, in a cool, dry place with a temperature between 10°C and 25°C. Keep away from sources of moisture, heat sources and direct contact with sunlight.

GENERAL INFORMATION

The information contained in this data sheet represents the maximum of our knowledge. In any case, this document cannot be considered a guarantee of use, sector of use and application of the product in accordance with the instructions provided. The success of the application is beyond our control and depends on numerous factors. We disclaim any responsibility for misuse of the product, the recommendations contained in this document should be considered general guidelines. If doubts remain, carry out preliminary tests. NPT Srl reserves the right to modify and update the technical data sheet without prior notice. Customers are kindly invited to check that they have the latest version.

ALWAYS CONSULT THE SAFETY DATA SHEET BEFORE USING THE PRODUCT

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