TECNOPRIMER 160

Transparent primer for panel installation with the Sigill Tecnopanel System.

DESCRIPTION

Tecnoprimer 160 is a transparent primer to improve the adhesion of ceramic panels, with or without reinforcing mesh within the **Sigill Tecnopanel System**, a universal mounting system for architectural panels on substructures in ventilated or insulated facades.

TECHNICAL FEATURES

Appearance		Liquid without lumps
Color		Transparent slightly yellowish
Chemical nature		Siloxanes in organic solvent
Type of polymerization		Moisture curing
Density *(Method NT06) (23°C and 50% RH)*	*g/cm³*	Ca. 0.76
Evaporation time *(Method NT17) (23°C and 50% RH)*	*min*	Ca.10
VOC Content *(Method NT78)*	*% m/m*	Ca. 85
Application		By applicator or abrasive sponge
Application temperature	*°C*	+5 to +35

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 and adhesive 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.

<u>This product is only suitable for experienced professional users</u>

The application of **Tecnoprimer 160** can only take place after having completed the thorough cleaning of the gluing area.

Shake the bottle well before application. Close immediately after use as the product evaporates very quickly. If the bottle is efficiently closed and well stored, consume within a week of opening. If the primer is exposed to the atmosphere for a long time it can become opaque (or cloudy) with possible loss of performance, do not use opaque material. Make sure the primer is dry before proceeding with the bonding process. Complete the entire bonding process within a few hours to prevent dust and other material from contaminating the surfaces again. A time of more than 24 hours requires the reactivation of the primer.

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

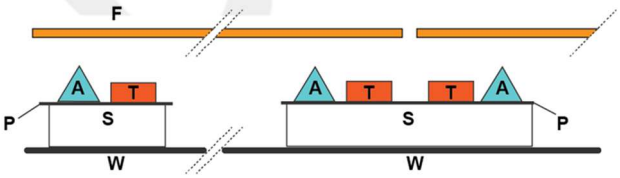
Surface preparation

Thoroughly clean the surfaces to be glued with **Tecnocleaner 400** and a cloth, apply **Tecnoprimer 160** on the surfaces where it is intended (ceramic) 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:



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 bonded surfaces are not defective.

EQUIPMENT CLEANING AND PERSONAL PROTECTION

Clean the tools used with Cleaner E. When the product has not yet hardened, you can remove it from the tools using paper or a cloth. Once hardened, it can only be removed mechanically.

It is advisable to avoid contact with the skin, using protective rubber or polyethylene gloves. In case of contact with skin, wash with soap and water.

FORMATS

Description	Pieces
250ml Aluminum Bottle	12
1000ml aluminum bottle	12

PRODUCT LIFE AND STORAGE

Tecnoprimer 160 can be stored for 12 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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