

TP600

Pre-Compressed Impregnated Foam Seal for Control/Expansion Joints

PRODUCT DESCRIPTION

TP600 is a soft and flexible open cell polyurethane foam, impregnated with an acrylic based, UV stabilised resin. The resin is water repellent and contains a fire retardant. It is supplied as pre-compressed rolls with a self-adhesive side to aid initial location. Weather tight against the most severe combinations of wind and rain, it satisfies most expectations as an external weather seal for window perimeter seals and in building and civil engineering applications.

USAGE/PURPOSE

TP600 is an impregnated joint sealing tape for use in a wide variety of movement joints including window perimeter seals and other applications.

SHELF LIFE

2 years when stored in its original unopened containers.

COLOUR

Anthracite/Charcoal - Stocked.

Grey - Made to Order.

STOCK SIZES

ROLL WIDTH	JOINT WIDTH	PERFORMANCE
20 mm	7-11 mm	BG 1
20 mm	9-14 mm	BG 1
30 mm	11-16 mm	BG 1
30 mm	13-20 mm	-

STORAGE

Store rolls horizontally and in original carton between +1 °C and +20 °C in dry conditions and away from direct sunlight. Re-seal packaging between use to prevent expansion during storage.



FEATURES & BENEFITS

- ☐ 5 year performance guarantee
- ☐ Weather seal for wind-driven rain
- ☐ Breathable – for vapour diffusion
- ☐ Continually expands and contracts to accommodate movement whilst still sealing the joints
- ☐ Thermal and acoustic insulation

NECESSARY TOOLS

Tape measure, flat blade, cutting shears.

AREAS OF APPLICATION

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TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUES
Building Classification	DIN 4102	B1, self-extinguishing, P-NDS 04-229
Driving Rain Resistance	DIN 18542	Sizes in performance category BG1 = 600 Pa - others 450 Pa
Exposure Class For Impregnated Foam Tapes	DIN 18542	BG1
Air Permeability	DIN 18542	$a < 1,0 \text{ m}^3 / [\text{h} \cdot \text{m}^2 \cdot (\text{daPa})^{2/3}]$
Sound Insulation	DIN EN ISO 717-1	R _{sw} up to 52 dB
Thermal Conductivity	DIN EN 12667	$\lambda_{10} < 0,048 \text{ W/m/K}$
UV Resistance	DIN 18542	given
Sd-Value	DIN EN ISO 12572	< 0,5 m
Compatibility With Construction Materials	DIN 18542	The requirements of the DIN standard are met, compatibility with plasticizers and solvent must be tested.
Emission Classification	GEV	EC1 PLUS
Service Temperature		-30 °C to +90 °C
Storage Temperature		+1 °C to +20 °C
Certifications	GEV	EC 1 PLUS

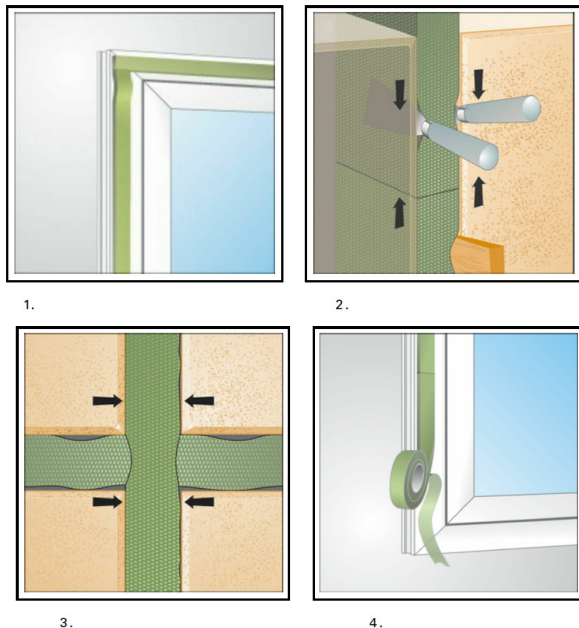
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METHOD OF APPLICATION

1. After measuring the width of the joint and ensuring the total movement is within the capacity of the selected tape size, application may proceed.
2. Remove outer release liner and the opening wedge at the start of the roll.
3. If installing tape into a construction joint with a cross-joint, it may initially be applied either horizontally or vertically (from bottom to top to avoid stretching of the tape). However, when applying to a door or window frame the horizontal seals must be applied before the vertical ones. Tape should be applied with the adhesive side to the frame when working with fenestration but may be applied in any order when working with construction joints. In both cases do not stretch the tape.
4. When working in damp or cold conditions, if the tape is not adhering to the joint face, a suitable wedge should be used to hold the tape in position until it is expanded. Ensure the tape is recessed by a minimum of 2 mm into the joint.
5. When calculating the length of tape to be fitted, add 20 mm/m to the actual joint length. Be sure to measure the opening and not the window.
6. At the end of a roll, cut off the tape wedge finish. Repeat the process with a new roll, making a close compressed butt connection.
7. When installing TP600 between a window and a sloping sub-sill, the joint must be no more than 5° out of parallel. The TP600 should be applied to the 'level' face of the joint.
8. When inserting the tape into a joint with difficult access or when making butt or corner joints, the use of a skewer inserted into the tape thickness close to the end of the length to be applied allows the tape to be more accurately located.
9. When applying PU foam behind TP600, prior to application, ensure that the tape has fully expanded to seal the joint otherwise foam is likely to penetrate past the edge of the tape and will be visible on the external face.

APPLICATION IMAGES



NOTE

TP600 is not suitable for locations where standing water or a head of water is likely to occur, eg under a window fixed on a flat topped sub-sill where the tape is not within 2-3 mm of the vertical face of the sub-sill. High temperatures accelerate tape expansion, while low temperatures delay this. At ambient temperatures above 20 °C, the tape should be stored in a cool place on the construction site away from direct sunlight. A small fridge is ideal for this. Remaining rolls in opened boxes should be maintained in a horizontal state and weighed down to prevent lateral expansion (telescoping) of the rolls. Whilst it is unnecessary to seal over the external face of the tape, the exposed edge can be plastered or painted over. The compatibility of sealants must be tested. In some cases, white sealants can be incompatible. The tape must not come into contact with chemicals containing solvents or aggressive chemicals.

HEALTH & SAFETY PRECAUTIONS

The Safety Data Sheet (SDS) must be read and understood prior to use.

TECHNICAL SERVICE

TREMCO has a team of Representatives who provide assistance in the selection and specification of products. For more detailed information or service and advice, call Customer Service on 1800 318 038.

GUARANTEE/WARRANTY

TREMCO products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with TREMCO written instructions and (b) in any application recommended by TREMCO, but which is proved to be defective, will be replaced free of charge.

Any information provided by TREMCO in this document in relation to TREMCO's goods or their use is given in good faith and is believed by TREMCO to be appropriate and reliable. However, the information is provided as a guide only, as the actual use and application will vary with application conditions which are beyond our control. TREMCO makes no representation, guarantee or warranty relating to the accuracy or reliability of the information and assumes no obligation or liability in connection with the information. To the extent permitted by law, all warranties, expressed or implied are excluded.

CONTACT OUR TEAM

Tremco CPG Australia Pty Ltd
 ABN: 25 000 024 064
 Unit 12, 4 Southridge Street
 Eastern Creek, NSW 2766

P: 1800 318 038

E: tremco@tremco.com.au