

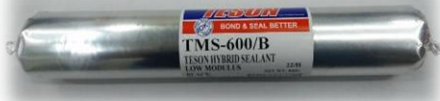


## TMS-600

### TESON HYBRID SEALANT – LOW MODULUS

#### Product Description

TMS-600 is a hybrid low modulus, flexible joint sealant and adhesive that is free of isocyanates and omits low odor. It has been formulated to offer outstanding adhesion to most common building and automotive materials, such as aluminium, glass, concrete, timber, fiberglass and be used in most sealing and joint filling applications.



#### Applications

- Expansion and connection joints in the building and construction industry.
- Movement joints with high rise constructions.
- Sealing of joints in prefabricated buildings or concrete panels.
- Perimeter seals around doors and windows.
- Joint fillets which have to be painted.

#### Features

- Low modulus-can withstand extreme joint movement.
- Eco-friendly, free from solvent, acid and isocyanate.
- Low odor and non-corrosive.
- Over-paintable with water-based paints.
- Durable, flexible and non-sagging properties.

#### Surface Preparation

Surfaces to be bonded must be clean and dry, as well as free of wax, grease, dust and any other foreign materials so that the adhesive bond is not compromised. Metal substrates should be degreased with solvent cleaner such as acetone.

#### Priming

It is advisable to conduct preliminary adhesion tests on substrates where the application is critical or if the adhesion performance is unknown.

#### Technical Data Properties

Chemical Base	:	MS Polymer
Curing System	:	Moisture
Appearance/Color	:	Paste/White, Grey, Black
Specific Gravity	:	1.40 ± 0.05
Tack Free Time, min	:	30 – 50 (23°C @ 50% R.H.)
Curing Time, hours	:	24
Sagging, mm	:	0
Hardness, Shore A	:	40 ± 5
Tensile Strength, N/mm <sup>2</sup>	:	≥ 1.5
Elongation at Break, %	:	≥ 800
Heat Resistance, °C	:	-40 – 90
Application Temperature, °C	:	5 – 30

#### Method of Use

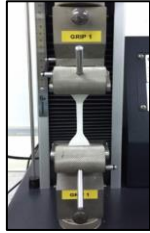


1. Cut nozzle at a sharp angle slightly wider than the desired bead or joint width.
2. If being installed as a joint sealant, always use a suitable backing rod to ensure the correct depth is achieved. The joint depth should be half of the joint width.
3. Extrude sealant with a gun and tool with a round spatula within 10 minutes to spread the sealant against the joint surfaces.



1. Cut off tip of cartridge. Screw on nozzle to cartridge.
2. Cut nozzle to desired bead thickness at 45° angle.
3. Insert the cartridge into standard caulking gun.
4. For smooth seal, hold at 45° angle and apply by pushing sealant ahead of nozzle.
5. Excess material can be trimmed with knife or cleaned with toluene or methyl ethyl ketone (M.E.K).

**Application Reference**



Tensile Strength & Elongation Test



Aluminium-to-Aluminium (White/Grey)



Aluminium-to-Glass

Aluminium-to-Concrete



Concrete-to-Concrete (White/Grey)



Concrete-to-Glass

Concrete-to-Wood



Glass-to-Glass

Wood-to-Wood



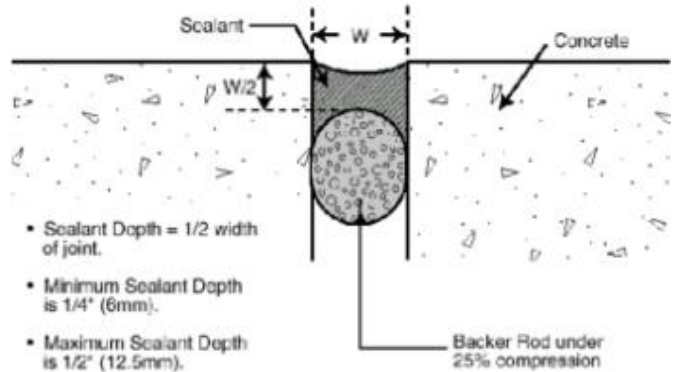
Granite-to-Granite (Grey/Black)



Marble-to-Marble (Grey/Black)

**Joint Design**

- To allow the sealant to move effectively, the correct joint design requires that the sealant depth must be half of the width of the joint.
- A suitable closed cell must be used to ensure that the correct joint depth is achieved.



**Coverage**

The estimated lineal meter yield per pack size is recommended per the following table.

Joint W x D	5mm x 5mm	20mm x 10mm	50mm x 25mm
600 ml	20	3.0	0.48
300 ml	10	1.5	0.24

**Product Packaging**

PRODUCT CODE	PACKING SIZE	PACKING FORM	COLOUR
TMS-600/B	600 ml	SAUSAGE	BLACK
TMS-600/GR	600 ml	SAUSAGE	GREY
TMS-600/WH	600 ml	SAUSAGE	WHITE
MS 8000	290 ml	CARTRIDGE	BLACK, GREY, WHITE

**Storage and Shelf Life**

9 months if stored in unopened-original package in a dry place at temperatures between 5°C to 30°C.

**Safety and Disposal**

The application area must be ventilated properly. Only use within appropriate application temperatures. Check SDS guidelines for disposal and further information concerning safety.

**Limited Warranty**

Seller and manufacturer only obligation shall be replacement of such quantity of product proved to be defective. All advice given herewith is to be the best of knowledge, true and accurate. All recommendations or suggestions are made without guarantee. Since the conditions of use are beyond our control, the seller or manufacturer shall not be liable for any injuries, loss or damage, direct or consequential arising from the use of or the failure of the product. Before using, user shall determine the suitability of the product for his intended use and user assumes all risk and liability.