

	EXCEL INGENIOUS SDN. BHD.	Issue Date: 27.06.2026
	Technical Data Sheet	Revision Date: - Revision No: 0



TMS-100-CL

TESON α -HYBRID WATERPROOFING CLEAR



- Balconies and terraces
- Bathrooms and wet areas
- Roof slabs and exposed decks
- Exterior walls
- Repair and maintenance waterproofing works

TECHNICAL DATA

Properties	Specifications	Method
Appearance (Wet)	Colourless Thixotropic Liquid	Visual
Appearance (Dry)	Clear Film	Visual
Specific Gravity	1.0 – 1.1	ASTM D1475-13
Solid Content, %	≥ 80	In-House Test
Tack Free Time, min	70 – 110	ASTM C679
Viscosity, cps @ 25°C	1,000 – 2,500	ASTM D2983-22
Shore A Hardness	65 – 85	ASTM D2240
Tensile Strength, N/mm ²	≥ 5.0	ASTM D412
Elongation At Break, %	≥ 250	ASTM D412
Water Ponding Test	Pass without Water Leakage	In-House Test
Pull-Off Adhesion Strength, N/mm ²	≥ 1.3	ASTM D4541

These figures are only intended as a guide and should not be used in preparing specifications.

PRODUCT DESCRIPTION

TMS-100-CL is a ready-to-use, one-component transparent waterproofing coating based on silane-terminated polymer technology. It forms a seamless, highly elastic transparent membrane that provides excellent waterproofing performance while maintaining the natural appearance of the substrate.

The product exhibits excellent adhesion to various construction substrates and is suitable for both interior and exterior waterproofing applications.

FEATURES

- One-component system, no mixing
- Solvent and NCO free
- Readily applicator with roller or brush
- Transparent finish
- Excellent waterproofing performance
- High elasticity and crack-bridging ability
- Good adhesion to concrete and cementitious substrates
- Seamless membrane formation
- Easy application
- Suitable for interior and exterior applications

APPLICATIONS

- Concrete surfaces
- Cement screeds

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DIRECTION OF USE

Surface Preparation

- Surface must be sound, clean and dry.
- Remove dust, grease, oil, laitance and loose particles.
- Repair cracks and defects before application.

Application

1. Stir thoroughly before use.
2. Apply the first coat using brush, roller or squeegee.
3. Allow the first coat to become tacky or skin over before applying the second coat.
4. Apply a second coat at right angles to the first coat.
5. Allow sufficient curing time before exposing to water.

Recommended Coverage

- Approximately 0.8 – 1.2 kg/m² for two coats, depending on substrate condition and surface roughness.

PACKAGING

Packaging Type	Weight	Per Carton
1L Aluminium Foil Bag (DIY Pack)	1 KG	1 pc
3.5L Round Metal Can	4 KG	6 pcs
20L Aluminium Foil Bag in 20L Round Pail	20 KG	NA

STORAGE & SHELF LIFE

Store in a dry and cool place at temperatures between 5°C to 30°C in unopened-original package for a shelf life of 12 months. Protect from freezing.

SAFETY NOTES

Read and understand Safety Data Sheet of this product before handling or using.

Keep out of reach of children.

The information and data contained herein is believed to be accurate and reliable: however, it is the user's responsibility to determine suitability of use. Since the supplier cannot know all the uses or the conditions of use to which this product may be put, no warranties concerning fitness or suitability for a particular use or purpose are made. The supplier warrants only that its products will meet its specifications. There is not a warranty of merchantability or fitness for use, nor any other express or implied warranty. The user's exclusive remedy and supplier's sole liability is replacement of any product shown to be otherwise than as warranted.

For technical, quality, or product safety questions, please contact:

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