



# TESON PU-HYBRID LIQUID MEMBRANCE (TW-181)

**Description:** TW 181 water base elastic waterproofing membrane is mainly made of high-polymer material enhanced with a certain quantity of modifier. The product is a highly flexible emulsion that can be applied without pre-heating and one-component waterproofing. TW 181 is non-toxic, odourless, non-corrosive and UV resistance.

## Application

- RC Roof Top
- Exterior Wall
- Toilet, Kitchen
- Balcony, Planter Box

## Advantage

- Excellent Elongation, Flexibility
- Excellent Tensile Strength & Durability
- Water-Based, Non-Toxic
- UV resistance
- Seamless
- One-Component, Ready to use.



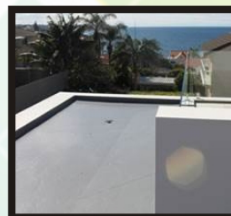
## Application Reference



Roller Apply



RC Roof Top



RC Roof Top



Big Area Apply

## Product Range

PRODUCT CODE	PACKING SIZE	PACKING FORM	COLOUR
TW-181/WH/20Kg	20Kg	Pail	White
TW-181/WH/5Kg	5Kg	Pail	White
TW-181/GR/20Kg	20Kg	Pail	Grey
TW-181/GR/5Kg	5Kg	Pail	Grey



One component product.  
Stir before using



Vapour permeable



UV resistant and resistant to  
yellowing



Easy application by brush, roller or airless spray  
equipment even when accessibility is limited



Seamless waterproofing membrane



Highly elastic and crack-bridging



# TESON PU-HYBRID LIQUID MEMBRANE (TW-181)

TW-181 Water-based Elastic Waterproofing membrane is mainly made of high-polymer material enhanced with a certain quantity of modifier. The product is a highly flexible emulsion that can be applied without pre-heating as one-component waterproofing. Once it solidifies to membrane, it forms a seamless waterproofing membrane with excellent tensile strength, elongation and resistance to water. TW-181 is non-toxic, odorless, non-corrosive and UV resistant.

### FEATURES:

- Water-based, non-toxic and odorless
- One component, can apply to damp surfaces
- Extremely good resistance to water immersion
- Good resistance to heat & weathering
- Keep flexible for long period
- Clean up easily

### APPLICATION:

- Waterproofing and protection of rooftops, exterior wall.
- Reflective coating for roof top and enhance energy efficiency

### PROPERTY:

- Solid Content: 65%
- Tensile Strength: >1.5N/mm<sup>2</sup>
- Elongation: >350%
- UV Resistance: Excellent
- Rain resistance after 4 hours at 30 degree C, Fully cure after 2 days

### APPLICATION INSTRUCTION:

1. Keep all surface clean & use steel brush to clean the powdery layer of cement (it's better to use clean water to clean again)
2. In case of old waterproofing layer (bitumen) is existing, try to remove or apply solvent-based premier coating to make cement surface solid.
3. On all weak points such as leak, old & new cement welded part, coating TW-181 twice use fiberglass mesh in big crack as reinforcement during double coating.
4. Coat water-based primer paint & wait it dry (about 15~30 minutes) Then coat TW-181 twice or three times between 30 minutes. Coating thickness: 1.0 - 1.5mm.
5. Do not apply TW-181 on substrate with rising moisture.
6. TW-181 is not recommended for pedestrian traffic.
7. Apply dried quarts sand before apply mortar on top of TW-181 when laying tile.

### COVERAGE:

- Approximately 15 m<sup>2</sup>/20kg for 2 coats (1mm) depending on the porosity and surface of the substrate

### COLOR:

White & Gray color available, minimum order quantity for other colors

### STORAGE / PACKAGING

- Do not store TW-181 directly under sunlight and also where it is likely to freeze.
- Not advisable to store for more than 1 year.

### PACKAGE:

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### TOOL:

Brush, Roller, Airless spray gun

### NOTE:

1. Attention to the weather to avoid rainy days. Rain will affect bonding performance.
2. Surface should be coated completely. If not, the leakage problem may be resulted especially in weak points.
3. Coat lightly for few times is better than coat heavy for 1 time. Coat heavy 1 time is easy to break.

### PRECAUTION:

#### Health & Safety

TESON TW-181 is safe to use as it is non-flammable and non-toxic. However, it is still advisable to follow good working practice and use only in well ventilated areas.

Keep out of reach of children.

### APPLICATION REFERENCE



**Roller Apply**



**Green Roof**



**Big Area Apply**

### LIMITED WARRANTY:

Sellers and manufacturers only obligation shall be replacement of such quantity of product proved to be defective. All advice given herewith is to 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.



One component product. Stir before using



UV resistant and resistant to yellowing



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