



TESONSHIELD

1-P POLYMER-MODIFIED WATERPROOFING MEMBRANE (TW-111)

Description: It is one component, ready to use, non toxic, water based polymerized product, design to perform an elastomeric liquid applied waterproofing membrane. It can apply by brush, roller or spray and capable to form seamless membrane with excellent water resistance and minimum wastage. The average coverage will be 1 to 2 kg/m², requires minimum 2 to 3 coats subject to application.

Application

- RC roof
- Roof garden, terrace
- Toilet, Kitchen
- Balcony, Planter Box
- Retaining Wall
- Swimming Pool

Advantage

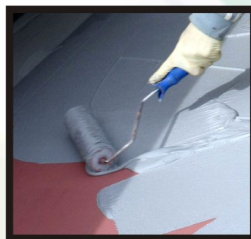
- Flexible / Elongate
- Water Based
- Non Toxic
- Low Odour
- Easy Application
- Non Hazardous
- Seamless



Application Reference



Roller Application



Roof Top Application



Product Range

| PRODUCT CODE | PACKING SIZE | PACKING FORM | COLOUR |
|-----------------|--------------|--------------|--------|
| TW-111/WH/20KG | 20Kg | Pail | White |
| TW-111/WH/5KG | 5Kg | Pail | White |
| TW-111/WH/1.4KG | 1.4Kg | Can | White |
| TW-111/GR/20KG | 20Kg | Pail | Grey |
| TW-111/GR/5KG | 5Kg | Pail | Grey |
| TW-111/GR/1.4KG | 1.4Kg | Can | Grey |



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ADVANTAGES:

- Environmental friendly.
- Non-toxic & non-flammable (Solvent Free).
- No mixing, ready-to-use straight from container.
- Faster setting and curing time.
- Good adhesion to many substrates.

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SURFACE PREPARATION:

- Substrate surface shall be clean, free of dust, oil, grease, laitance or any other deleterious substrates.
- Concrete slab shall be trowelled smooth to receive TESONSHIELD waterproofing membrane.
- Masonry upturn walls shall be toweled/plastered reasonably smooth to avoid pin-holes.
- Exposed bricks, honeycombing and depressions in existing surfaces shall be made good.
- Angle fillets shall be laid between floor & wall around the perimeter, using cement mixed with TESON LATEX.

APPLICATION PROCEDURES

- Straight from container with brush, spray or roller
- Apply 1st coat TESONSHIELD over the upturn of 300mm or 1800mm on the entire wall and then the entire floor area with a wet film of 0.5 to 1.0mm thick. Embed a layer of woven fabric.
- After surface dries, apply 2nd coat with the same thickness (total thickness: 1.0 to 1.5mm). The thickness varies depending on the surface of substrate but it shall not exceed 1 mm, otherwise curing time will take longer.
- Primer is optional, depending on the surface and porosity of the substrate.
- Primer after dilutes TESONSHIELD will provide estimate coverage of 0.2 kg / m².

STORAGE / PACKAGING

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

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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.

CURING AND SETTING TIME:

- After application of 1st coat TESONSHIELD, the drying time is approx. one hour but allow to self-cure for another 2 to 3 hours before applying the 2nd coat.
- The drying time largely depends on the surface of substrates and relative humidity of the surrounding areas which sometimes require the membrane to cure longer.

WATER PONDING

Water ponding shall be carried out 72 hours later after application of the membrane. Water ponding shall be conducted for not more than 48 hours.

COVERAGE:

Approx 1 to 2 kg / m² for two coats depending on the porosity and surface of the substrate.

PROPERTIES:

| | |
|------------------|------------------------|
| Tensile Strength | : 1.5N/mm ² |
| Elongation | : 150-200% |
| Density | : 1.3-1.4 |
| Water Absorption | : Good & Non Drip |

NOTE:

Care shall be taken during screeding to avoid puncturing the waterproofing membrane, otherwise lay a protective screed. If any puncturing occurs, to inform the applicator concerned to carry out the necessary repairs.

COLOUR:

White & grey colors available. Other colors shall be made subject to minimum order quantity.

PRECAUTION:

Health & Safety

TESONSHIELD 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



Direct apply by roller



Roof top application