



TESONSHIELD FB LIQUID APPLIED WATERPROOFING MEMBRANE (TW-111FB)

DESCRIPTION: TESONSHIELD FB is a ready-to-use, one component waterproofing membrane, formulated with micro-fiber reinforcement, designed to enhance tensile strength and provide durable protective waterproofing coating. TESONSHIELD FB is suitable for exposed application at concrete rooftop, roof tile, metal/zinc roof and vertical wall against water infiltration. Minimum two coats are required.

APPLICATIONS:

- Vertical & Horizontal
- Concrete Roof Deck
- Metal/Zinc Roof
- Roof Tile
- Masonry
- Brick Wall



ADVANTAGES:

- More than 50% extra tensile strength
- Elastic, durable waterproofing membrane
- Excellent resistance to crack
- High resistance to expansion and shrinkage movement
- Good bonding to various substrate
- UV, Weather resistant
- Waterproof (water ponding passed)
- Good trafficable
- Reinforcing fiber mesh not required

APPLICATION REFERENCES:



Micro Fibre Reinforcement



Roof Deck Application



Roof Top Application

PRODUCT RANGE:

PRODUCT CODE	PACKING SIZE	PACKING FORM	COLOUR
TW-111FB/WH/20K TW-111FB/GR/20K	20kg	Pail	White Grey
TW-111FB/WH/5K TW-111FB/GR/5K	5kg	Pail	White Grey
TW-111FB/WH/1.4K TW-111FB/GR/1.4K	1.4kg	Can	White Grey



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APPLICATION PROCEDURES:

- Substrates need to be sound, clean and free of dust, oil, dampness or other contamination prior to priming.
- Priming with TESONSHIELD mix one to one with water is recommended or directly apply TESON LATEX.
- Allow primed area to dry approximately 30 minutes prior to application of TESONSHIELD FB.
- For crack and joint up to 5 mm, apply a bead of TESON HYBRID SEALANT (TMS-600) into the crack and extending 5 mm either side. Priming the repaired area as mentioned above once TESON HYBRID SEALANT is tack free.
- Rusted metal surface should be mechanically cleaned to the bare metal surface and properly protected with anti-rust primer prior to apply TESONSHIELD FB.
- TESONSHIELD FB may be applied by brush, roller, airless spray at temperature between 10°C to 30°C.
- To obtain effective function of TESONSHIELD FB, two coats are applied in a recommended coverage of 0.5 to 1 kg/sq-m per coat and with a coating interval of one hour after the first coat is touch dry.

APPLICATION REFERENCES:



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Roof Top Application

CURING AND SETTING TIME:

- After application of 1st coat TESONSHIELD FB, the drying time is approximate 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 required the membrane to cure longer.

STORAGE/PACKAGING:

- Do not store TESONSHIELD FB directly under sunlight and also where it is likely to freeze.
- 12 months under unopened and proper storage condition.

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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:

- Approximately 1 to 2kg/sq-m for two coats depending on the porosity and surface of the substrate.

PROPERTIES:

Tensile Strength : > 2 N/mm²
 Elongation : 150% approximately
 Density : 1.3-1.4
 Water Absorption : Good & Non Drip

PRECAUTION:

Health & Safety

TESONSHIELD FB 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.

LIMITED WARRANTY:

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