



TESONGUARD TORCH ON MEMBRANE (TW-101)

Description: A 1X10m reinforced bitumen sheet, through state of the art design including bitumen compound, reinforcement technology and selective top finish with excellent waterproofing performance through torch on application. Torch on Membrane provides good dimensional stability, excellent mechanical properties. Sanded type will apply mainly in concealed site condition. Mineral top finish will be suitable to apply for exposed condition.

Application

- Roof Top of Commercial and Residential Building
- Basement
- Retaining Wall
- Tunnel
- Balcony
- Trafficable Area
- Planter Box

Product Explanation

- TW-101/3S: 3mm sanded torch on membrane, suitable for concealed site condition
- TW-101/4S: 4mm sanded torch on membrane, suitable for concealed site condition
- TW-101/45GR: 4.5kg grey mineral slate finish torch on membrane, suitable for exposed condition
- TW-101/45GN: 4.5kg green mineral slate finish torch on membrane, suitable for exposed condition



Application Reference



Position and flaming the bottom of surface

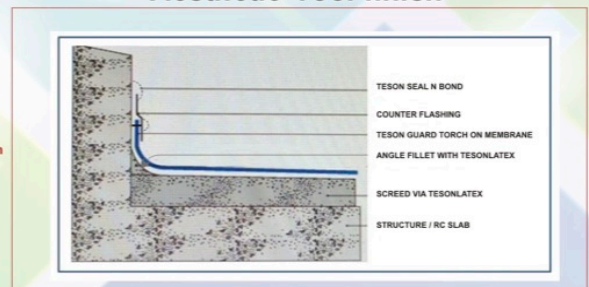


Aesthetic roof finish

Product Range

PRODUCT CODE	DIMENSION
TW-101/3S	10mx1mx3mm
TW-101/4S	10mx1mx4mm
TW-101/45GR	10mx1mx3.5mm
TW-101/45GN	10mx1mx3.5mm

84mm x 44mm



Installation detail reference



TESONGUARD TORCH ON MEMBRANE (TW-101)

TESONGUARD

A 1x10 m reinforced bitumen sheet, through state of the art design including bitumen compound, reinforcement technology and selective top finish, exhibits excellent waterproofing performance through torch on application. It will apply mainly in concealed site condition (sanded type) or suitable to apply in exposed condition (mineral type) with slates top finish in membrane itself and perform UV, ozone resistance. Torch on membrane will provide good dimensional stability, excellent mechanical properties. The membrane technology will also include innovation such as acoustic, anti-rooting, self-adhesive type of membrane within its range.

PRODUCT USES:

- Roof Top of Commercial and Residential Building
- Basement
- Retaining Walls
- Tunnels
- Balconies
- Trafficable Areas
- Planter Box

FEATURES:

- Positive barrier to water & vapour.
- Good UV light resistance (Mineral Finish only)
- Withstand thermal shocks.
- High flexibility at low temperature.
- Good elastic memory.
- Easy application.

APPLICATION Allow primer a drying time of between 2-4 hours, TESONGUARD then is unrolled and placed in the position where it had to be torched at the lower surface with propane gas TESONGUARD will melt and subsequently adhere to the primed surface.

Membrane should overlap each other by at least to 10 cms at the side lap and 15 cms at the end laps. Inspection of lap joints must be carried out to ensure total adhesion. Smooth out air with a rounded trowel. All mineral finish membrane application where laps occur over the slate finish have the slate topping removed to a width of 10 cm to allow the overlap to fully bonded to the bitumen.

TESTING & REPAIR

It is recommended that a water test, where even possible, be carried out over a 24 hour period. All leaks should be marked and the membranes repaired when cleaned and dry. Any damaged areas must be repaired with a patch of TESONGUARD with a minimum overlap of 10cms from any edge.

PROTECTION The membranes should be protected after installation from damage with protective board such as water resistane particle board, plywood, fire-cement or any other proprietary protective boards tape.

CLEAN UP For general cleaning use ethyl methyl ketone blended cleaner. Do not use solvents on skin use clean towels.

PACKAGING Supplied polyethylene wrapped on pallets.

PRODUCT CODE	PRODUCT	ROLL DIMENSION
TW-101/3S	3 mm Sanded Finish	10m x 1m x 3mm
TW-101/4S	4 mm Sanded Finish	10m x 1m x 4mm
TW-101/45GR TW-101/45GN	4.5 Kg Mineral	10m x 1m x 3.5mm

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.

PROPERTY	STANDARD	3 & 4 MM SANDED
SOFT POINT(°C)	ASTM D-36/86	> 145
TENSILE STRENGTH(N/5CM) - LONGITUDINAL - TRANSVERSE	UNI 8202/8	650 500
ELONGATION AT BREAK (%) - LONGITUDINAL - TRANSVERSE	UNI 8202/8	35 40
TEAR RESISTANCE(N) - LONGITUDINAL - TRANSVERSE	EN-12310	160 180
PENETRATION (dmm,25°C)	ASTM D-5/86	15
IMPERMEABILITY TO WATER(60KPA)	EN-1928	ABSOLUTE
WATER ABSORPTION(%)	ASTM D-5147/UNI 8208/22	< 0.15
ADHESION TO CONCRETE(N/5CM)	UEAtc	20

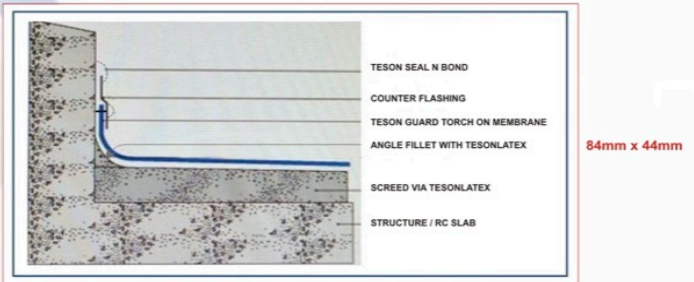
PROPERTY	STANDARD	4.5KG MINDEAL
DIMENSIONAL STABILITY(%)	EN1107-1	<0.3
TENSILE STRENGTH(N/5CM) - LONGITUDINAL - TRANSVERSE	EN12311-1	750 550
ELONGATION AT BREAK (%) - LONGITUDINAL - TRANSVERSE	EN12311-1	40 40
TEAR RESISTANCE(N) - LONGITUDINAL - TRANSVERSE	EN12310-1	150 150
IMPACT STRENGTH(MM)	EN 12691-A	> 700
STATIC LOAD STRENGTH(KG)	EN 12730-A	> 10
WATERPROOFING(KPA)	EN 1928-B	EXCEEDS
WATER TIGHTNESS AFTER EXPOSURE TO CHEMICALS(KPA)	EN1928-B/EN1847	EXCEEDS

APPLICATION INSTRUCTION SURFACE PREPARATION

On new roof or landscaped area, a screed made of normal mortar should be laid with thickness 20-50mm with slope maximum 5%. Thoroughly inspect existing roof and make sure it is structurally sound, smooth before priming and attachment of TESONGUARD Torch On Membrane.

PRIMING Bituminous primer must be applied between membrane and substrate. Substrate needs to be clean, dry and smooth and estimate consumption will be approximately 0.3 liter per m per coat. Two coats may be needed when applying to very porous substrate condition.

TESONGUARD Installation detail reference



APPLICATION REFERENCE



Rooftop installation



Basement installation



Retaining wall installation

TORCH ON APPLIED MODIFIED BITUMINOUS WATERPROOFING SHEET