



THANECOAT W300W

One Component Water Based Polyurethane Waterproofing Membrane

單組份水性聚胺脂防水塗膜

1.0 Description

THANECOAT W300W is water based elastomeric, one component, moisture curing polyurethane coating which is manufactured to stringent Master Proofer Company Ltd specifications. It is formulated as a waterproofing membrane embedding underneath C/S, Tiles or other construction finish.

2.0 Technical Data

	Tested Value	Test Method	Equipment (if any)
Adhesion Strength (without PRIMER)	1.02 N/mm ²	ASTM4541:95	Pull-off tester T-017-5
Density	1.09 kg/M ³	ISO1183:1987	-
Water Transmission	19.4g/m ² /24 hr	Method 620A to 600D:1991 IN HOUSE	Water Bath: T-057-7 UTM: T-019-2
Tensile Strength	2.5 N/mm ²	BS2782pt3 Method 320A to 3207:1976	
Elongation at break (%)	>500%	DITTO	DITTO
Hardness Scale (Shore A)	35	ASTM2240-00	T-102-1
Viscosity	>6,000 cps	In Hose	-
VOC Content	72 g/L	(USEPA Method 24 & SCAQMD 303-91)	-

3.0 Typical Application

THANECOAT W300W is a single application product for use as waterproofing layer of internal decoration and re-tiling work.

4.0 Application Details

Preparation :

- All surfaces should be sound, clean, dry, free of dust, oil, grease or other contamination. Loose matter should be removed by abrasion, compressed air or high-pressure water.
- Concrete Surface should have a light steel towel finished or being made flat by a layer of cement/sand screed (Sufficient time for curing C/S should be given before laying .of THANECOAT)
- All Shrinkage and non-moving structural crack under 1.6mm (1/16-inch) shall be pretreated with one coat of THANECOAT W300W.
- All right angle joints between parapet wall and slabs should be treated with cementitious fillet.



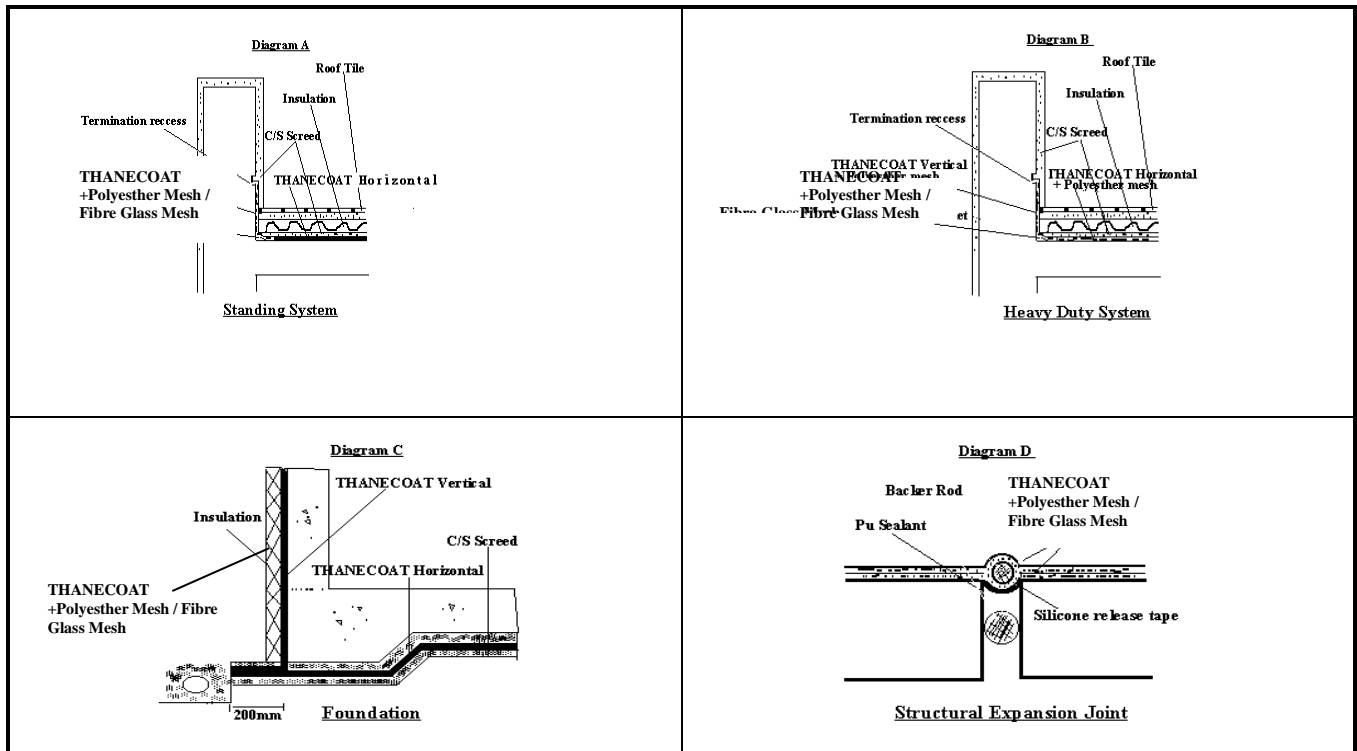
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5.0 Application Details



Job Diagrams:



Standing System (Diagram A):

- A) 2 coats of THANECOAT W300W+ 1 layer of MPMESH A900 or A901 to Skirting, Kerb and/or any vertical surfaces.
- B) THANECOAT W300W shall be applied, by trowel or squeegee, directly to the horizontal surface to achieve a thickness not less than 1mm

Heavy Duty System (Diagram B):

- A) 2 coats of THANECOAT W300W + 1 layer of MPMESH A900 or A907 to Skirting, Kerb and/or any vertical surfaces.
- B) 2 coats of THANECOAT W300W + 1 layer of MPMESH A900 or A907 to the horizontal surface.

Expansion joint & Foundation please refer to Diagram C & D

6.0 Coverage

Standing System --- @ 1.5 kg / M2 Approx.

Heavy Duty System ---- @ 3 kg / M2 Approx.

*Vary from surface condition.

7.0 Health and Safety

THANECOAT W300W contains chemical content which is harmful to eyes and skin. Use old or protective clothing.

When spraying, use face visors. Do not smoke in vicinity and allow adequate ventilation.

8.0 Cleaning

Tools can be cleaned after use in any aromatic solvent.

9.0 Packaging

18kg/Drum

Technical Advisory Notes

1. For liquid applied membrane, it may sometimes encounter problem of “ Blisters” due to trapped air on rough concrete or moisture vapour which are sometimes practically unavoidable. Provided that the small blisters are in low scale and they are not punctured, it is unlikely to affect the overall performance of the system.
2. Primers are sometimes required to improve the adhesion between THANECOAT and surface substrate, likes bituminous surface, non-ferrous metal and exceptionally porous substrate. Applicators should consult our technical office for necessary commendation.
3. For exposed roofing system, THANECOAT W300W should be overcoated with THANESILVER coating so as to produce better ultra- violet resistance or it is recommended to consider another liquid applied acrylic membrane, FLEXCOAT W500, which is a simple waterproofing system with excellent performance in ultra violet resistance. Please refer to our product brochure or call our Marketing Office for details.