



THANECOAT W302

Two Component Liquid Applied Polyurethane Waterproofing Membrane 雙組份液態應用式聚胺脂防水塗膜

1.0 Description

THANECOAT W302 is a high performance elastomeric, two component, chemical curing polyurethane coating which is manufactured to stringent Master Proofer Company Ltd specifications. It is formulated as a waterproofing membrane for all types of situations.

2.0 Technical Data

Base on Properties of the cured material applied in accordance with standard recommendation to BS 2782

	Before Aging	After Aging
Tensile Strength	1.66 N/mm ²	2.06 N/mm ²
Elongation	800%	750%
Recovery (100% elongation) 24 hrs:	100%	99.7% (at-20 - 24hrs)
Shore A hardness	52	
Total Solids	80/85%	
Moisture Vapour Transmission	4.235 gms per metre ² /24hrs	
Mixing ratio PartA: PartB	1: 4	
Pot life after mixing	40min (20°C)	
Cure: tack free	approx. 8 hours at (20°C)	
thorough	approx. 24 to 48 hours	
Service Strength	achieved after 5 days	
Specific gravity	1.15	
Weather meter	(BS 3900)2000hrs-loss of gloss-still pliable, no loss of general properties.	
Test Report	94g/L	
VOC Content		(USEPA Method 24 & SCAQMD 303-91)

3.0 Typical Application

THANECOAT W302 is a two component product which are mixed to initiate chemical reaction and form a high performance elastomeric membrane for use on new or old roofs, Terraces, Podium, pool, tunnels, foundation wall and planters. It can be applied to most surfaces; asphalt, concrete, roofing felt, asbestos, iron sheeting, slate, claytiles, gutters etc.

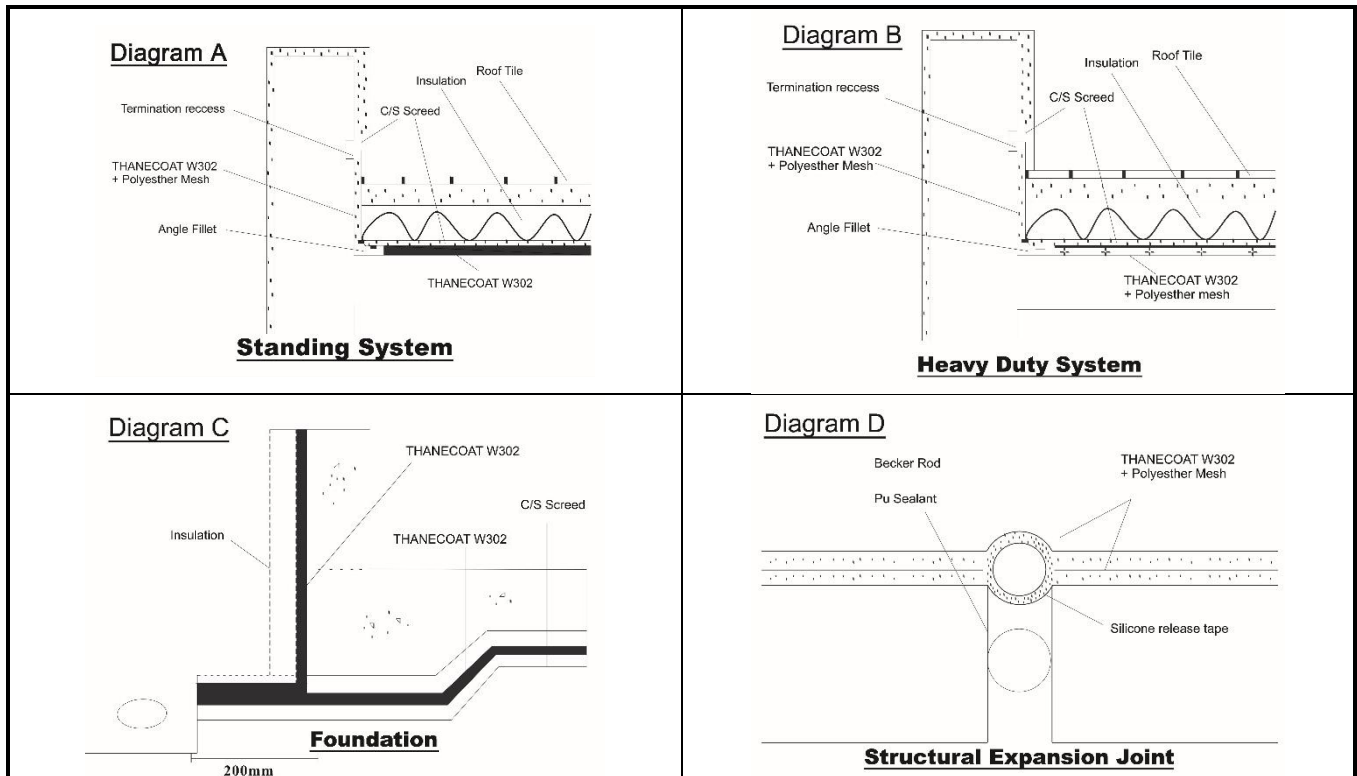
4.0 Application Details

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 W302)
- All Shrinkage and non-moving structural crack under 1.6mm (1/16-inch) shall be pretreated with one coat of THANECOAT W302.
- All right angle joints between parapet wall and slabs should be treated with cementitious fillet.

5.0 Application Details

Job Diagrams:



Standing System(Diagram A):

- A) 2 coats of THANECOAT W302 + 1 layer of MPMESH A900 to Skirting, Kerb and/or any vertical surfaces.
- B) For horizontal surface, THANECOAT W302 shall be applied, by trowel or squeegee, directly to the horizontal surface to achieve thickness not less than 1.5mm.

Heavy Duty System(Diagram B):

- A) 2 coats of THANECOAT W302 + 1 layer of MPMESH A900 to Skirting, Kerb and/or any vertical surfaces.
- B) 2 coats of THANECOAT W302 + 1 layer of MPMESH A900 to the horizontal surface.

Expansion joint & Foundation please refer to Diagram C & D

6.0 Coverage

Standing System --- @ 1.8 - 2.0 kg / M2 Approx.

Heavy Duty System ---- @ 3.6 – 4 kg / M2 Approx.

*Vary from surface condition.

7.0 Health and Safety

THANECOAT W302 contains aromatic solvents and is harmful to eyes and skin. Use old or protective clothing and rubber gloves. 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

Part A -Hardener 3.6kg/can; Part B-Base resin 14.4kg/Can x 2 Total : 18 kg/Set

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 W302 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 W302 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.