



# THANECOAT W308

## One Component Eco-Friendly Water-based Polyurethane Waterproofing/Protective Coating

單組份聚胺脂防水/水泥結構及金屬管道保護塗膜 (水溶性環保型)

### 1.0 Description

THANECOAT W308 is a high performance elastomeric, one component, **water-based**, moisture curing polyurethane coating which is manufactured to stringent Master Proofer Company Ltd specifications. It is formulated to scope with our major concern in environmental health and safety. Comparing with traditional Solvent based Polyurethane Coating; THANECOAT W308 is more suitable for installation as exposed type waterproofing system protection on Roof (open for traffic), Wall facade, Highway structure concrete or all concrete, stone, tile facades subject to UV radiation. THANECOAT W308 is an ideal Anti-corrosion Coating System for Concrete Structure or Metal (with appropriate primer)

### 2.0 Technical Data

Adhesion to concrete	1.03 N/mm <sup>2</sup>
Tensile Strength	3.0 N/mm <sup>2</sup>
Elongation	380%
Recovery(100% elongation) 24 hrs:	100%
Shore A hardness	85
Salt Spray Test (Anti corrosion) BS 3900:F12:1997	No Corrosion be observed
Total Solids	60 - 70%
Moisture Vapour Transmission	4.235 gms per metre <sup>2</sup> /24hrs
Cure: tack free	approx. 2 - 3 hours at 23°C
thorough	approx. 6 to 8 hours at 23°C
Specific gravity	1.15
Weatherometer	(BS 3900)2000hrs- no crack
VOC Content	48g/L
(USEPA Method 24 & SCAQMD Method 303-91)	



### 3.0 Typical Application

THANECOAT W308 is a single application product for use on new or old roofs, Wall Facades, Highway Structure, Terraces, Podium, Pool Deck, tunnels, foundation, external wall and planters. It can be applied to most surfaces; asphalt, concrete, roofing felt, asbestos, iron sheeting, slate, claytiles, gutters etc.

Applications	Concrete	Render Screed	Lightweight Blocks	Tiled	Galvanized & No Galvanized
INTERIOR – Walls	√	√	√	√	--
– Floors	√	√	X	√	--
– Pipes Exposed	--	--	--	--	√ (with primer)
EXTERIOR – Balconies	√	√	X	√	--
– Terrace	√	√	X	√	--
– Facades	√	√	√	√	--
EXTERIOR – Walkways	√	√	X	√	--
– Pool Decks	√	√	X	√	--
– Roofs	√	√	X	√	--
– Immersed Type Pipes	--	--	--	--	√ (with primer)
√ Suggested	X Not applicable				

# THANECOAT W308

## Water-based Polyurethane Waterproofing Membrane



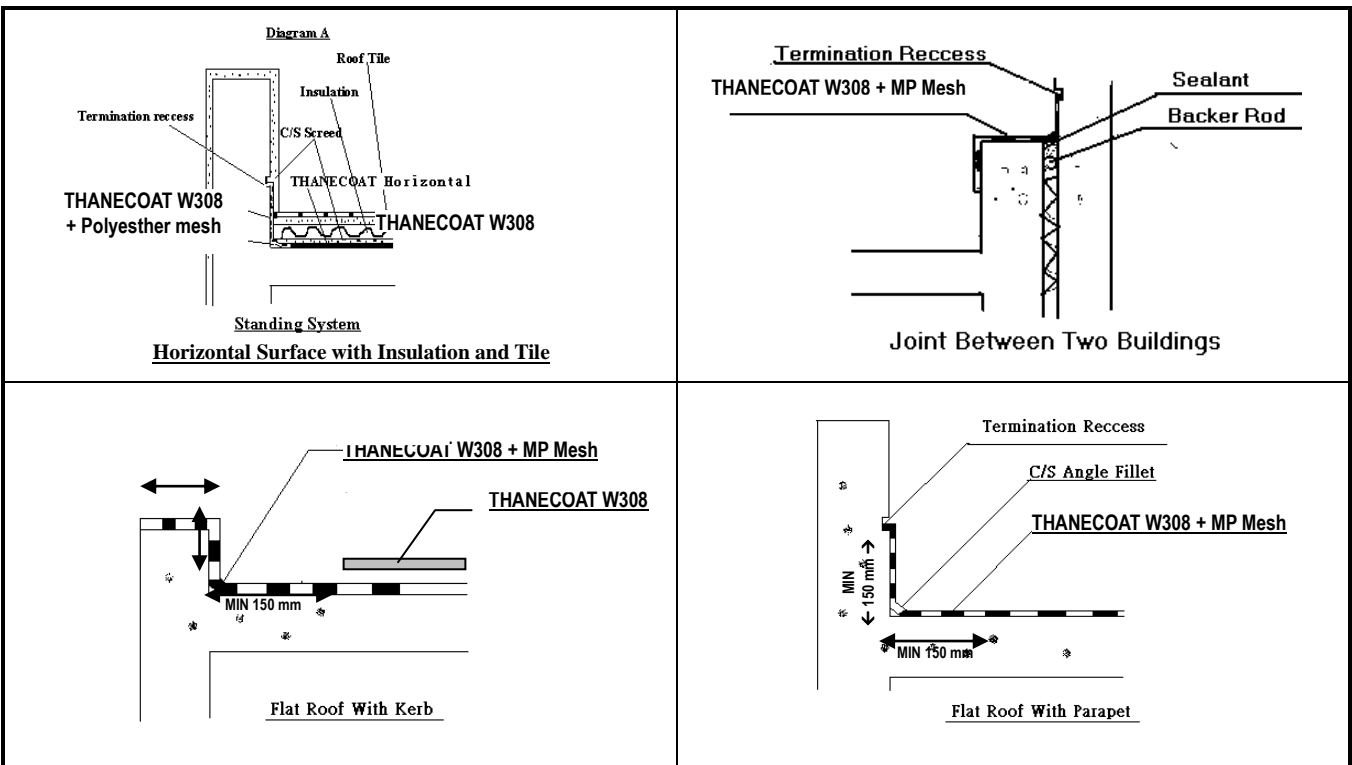
### 4.0 Application Details

#### Preparation :

- A) All surface 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.
- B) 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 W308)
- C) All Shrinkage and non-moving structural crack under 1.6mm (1/16-inch) shall be pretreated with one coat of THANECOAT W308.
- D) All right angle joints between parapet wall and slabs should be treated with cementitious fillet.

### 5.0 Application Details

#### Job Diagrams (Building Works):



### 6.0 Coverage

- a) Waterproofing @ 1.5 liter / M2 @ 1mm thick in minimum 2 coats  
\*Vary from surface condition.
- b) General protection/Anti-corrosion paint @0.5liter/m2 @ 250 microns; dilution with 10% Fresh Water
- c) Top Coat (P772) – recommended to enhance the UV resistance and Anti-abrasion

### 7.0 Health and Safety

THANECOAT W308 is a water-based product which does not cause harmful to environment. Refer general Health and Safety Sheet.

### 8.0 Cleaning

Tools can be cleaned by water before curing.

### 9.0 Packaging

W308 - 20 liter / drum

P772 – 6kg / 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 W308 and surface substrate, likes bituminous surface, non-ferrous metal and exceptionally porous substrate. Applicators should consult our technical office for necessary recommendation.