



# WM TUFF COAT

**EXTERNAL HARD WEARING,  
FLEXIBLE COATING WITH NON SLIP FINISH**

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## Product Overview

TWS Tuff Coat is a durable, hard wearing membrane, designed for external floor surfaces on pitched or flat roofs, podiums and balcony areas. Suitable for use with other TWS membranes for permanent exposure to varying climatic conditions, UV light and foot traffic.

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## Product Features

- Solvent free and non-hazardous
- Non shrinking, flexible (not elastomeric)
- Resistant to fungi and algae growth
- Excellent weathering properties
- Excellent adhesion to surfaces
- Excellent ponding water resistance
- Foot trafficable
- Can be applied in high build film thickness for greater durability
- Provides non slip surface, no sand casting or aggregate addition required

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## Typical Applications

- Roof areas
- Walkways
- Deck and balcony areas
- Exposed roof surfaces for maintenance and access areas
- General surfaces exposed to weather

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## Substrates

Substrates suitable for bonding TWS Tuff Coat over include:

- Concrete and masonry screeds
- Fibre cement, compressed fibre cement and cement sheeting products
- Exterior grade plywood
- Hebel panels
- Failed Roof coatings
- Existing tiles and pavers (in well bonded state)

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## General Application Details

- Surfaces must be prepared thoroughly before commencing application. All substrates must be structurally sound, stable, dry, and clean, with substrate compressive strength a minimum 25MPa and cohesive strength a minimum 1.5MPa.
- As a membrane system for trafficable areas exposed to weather, it is recommended to apply TWS EP25 directly over the substrate as the priming coat.
- TWS Tuff Coat is then to be applied over as the exposed trafficable coating. Refer to individual data sheets for application details.
- TWS Tuff Coat is to be applied in a minimum of 2 coats at a total minimum coverage of 1litre/m<sup>2</sup>; forming a minimum dried film thickness of approximately 1.5mm. Coverage can be increased for enhanced durability by applying product at coverage of 1.5litres per m<sup>2</sup> to form film thickness of 2mm. Apply subsequent coats at different directions to the previous coat. Coverage is dependent upon surface condition and will vary accordingly as uneven and porous surfaces will require greater coverage to achieve the specified film thickness. Product can be applied by roller or brush.



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## Important Notes

- Do not apply over solvent based products
- Do not used in areas subject to rising damp or negative hydrostatic pressure
- Best storage conditions is in a dry area at room temperature, avoiding humidity and frost
- Product while in a wet state will clean up with water. Once dried product will need to be removed by mechanical means or with solvent cleaners.
- Not suitable for heavy machine traffic, such as cars, trucks, scissor lifts, etc.

It is recommended before commencing the application; that adhesion of products to be used (e.g. primers, membranes, coatings adhesives etc) is tested over a typical area of the prepared surface to ensure satisfactory adhesion. It is the responsibility of the applicator to carry this out and accept the substrate suitability before any application starts.

Details contained in product data sheets are general. For any situation or items not covered in this data sheet, it is the responsibility of the applicator to check before commencing the application.

## Packaging

- 15Litre pails

## General Technical Data

<b>Drying Times</b>	
Tack free	2 hours
Recoat	4 hours
Dry Film	24 hours
Flood testing	10 days
<i>Based on normal ambient conditions of 20°C</i>	
<b>Physical Properties</b>	
Specific gravity	1.56kg/litre
Shore A Hardness (ASTM D2240-97)	108
Adhesion to substrates After 28 days (Erichsen 525 method)	
Concrete	1.6 Mpa
Compressed cement sheet	1.5 Mpa
Plywood	1.6 Mpa
Elongation (AS4858) Class III Membrane	>330%
Accelerated Weathering (Xenon Arc)	No physical changes after 500 hours
Water pressure resistance	Water tight at 1.5 bar for > 50 hours
Water vapour permeance (ASTM E96)	2g/Pa.s.m <sup>2</sup>
VOC Content (ISO 13741-1)	0.02g/litre

## Contact Details

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### Product disclaimer

This Product Data Sheet (PDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this PDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Total Waterproofing Supplies does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.