

# UV SPEC CERAMIC

external trafficable non slip water  
proofing membrane



Tested in accordance with AS1580.403.2 UV SPEC Ceramic  
is suitable for Occasional Service vehicle traffic and pedestrian traffic.



## FEATURES AND BENEFITS

- Tested in accordance with AS4586:2013 Appendix achieves a P5 classification.
- Certified class III elasticised water-based polyurethane membrane
- Compliant to AS 4858:2004 – Internal Wet Areas Waterproofing
- Compliant to AS 4654.1– Waterproofing Membranes for External Above Ground Use
- Trafficable
- UV Resistant
- Environmentally friendly

## APPLICATIONS

- External wet areas, balconies, terraces, decks & podiums, garages and walkways
- Roof top areas & roofs
- Surfaces requiring a strong trafficable waterproofing membrane

## Physical Properties and Test results – Test report #6381 dated February 2021

UV SPEC Ceramic has been tested and passed AS 4654.1 & AS4858. Categorizing it as a class III Membrane

% SOLIDS	BY VOLUME	<61%
Cyclic movement	Moving test joint	Pass Class III
Heat Ageing	AS/NZS4858 / 2 days at 23°C	2.01mpa, 338% Elongation
Full cure time	@ 23°C / 55 RH	96 hours
UV stability	Exposed to UV-A for 1000 hrs	Pass

Test	Average tensile strain at break %	Average tensile strain at break n/mm <sup>2</sup>
7 day dry test	428.44 %	2.62 n/mm <sup>2</sup>
56-day water immersion	545.8 %	1.364 n/mm <sup>2</sup>
56- day detergent immersion	331.95 %	1.35 n/mm <sup>2</sup>
56- day bleach immersion	789.25 %	1.155 n/mm <sup>2</sup>



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### USAGE / PURPOSE:

UV SPEC Ceramic has been designed as an effective membrane for use within the building industry. For external covered areas such as balconies, podiums, or decks. & External uncovered areas such as walkways, driveways, and rooftops.

Surfaces suitable for application within these areas such as; Concrete – FC Sheeting – Masonry – metal – cement render – plasterboard – particle board, All substrates must be clear of dirt, dust and contaminants must be made good and suitably primed.

### SURFACE PREPARATION / PRIMING

All Surfaces to be waterproofed must be clean, dry, sound, and smooth. Ensure all laitance, grease, oil, wax, curing compounds, loose material, paint, and any other contaminants which may prevent adhesion must be completely removed, mechanically where necessary. Masonry surfaces must be pointed flush, and all surface defects repaired. New concrete must be cured for a minimum of 28 days. Or primed with WMA Aquastatic Epoxy Cement screeds must be fully cured or primed with epoxy. Fiber cement sheeting, water resistant plasterboard must be installed in accordance with the manufacturer's installation Instructions. Porous substrates such as plasterboard or cement boards should be Primed with WMA GP Primer. Green screed or concrete should be primed with WMA Aquastatic epoxy primer applied at no less than 1 Lt per 4m<sup>2</sup> and allowed to dry. WMA Aquastatic Epoxy Primer must be used for external exposed areas, timber and particle board surfaces, bitumen or where there is a risk of evaporation of entrapped moisture in the substrate which may cause the membrane to bubble. Metal surfaces must be clean, free of contaminants and then metal etch primed. If rusted, treat to remove rust, apply a rust converter and then metal etch prime. Excessively porous, friable, and dusty surfaces such as PVC, scyon sheets & glass may require an additional priming coat. door barriers and plastic corner angles under wall boards, they should be securely embedded in to a continuous, gap free bed of a polyurethane sealant / mastic. Minimum application requirement set forth by NCC and relevant standard (AS4858) & (AS4654.2) Applicant must comply with AS3740-2010 of internal residential areas. as well as project specific requirements/recommendations by WMA

### SURFACE PREPARATION – APPLICATION

After primer has sufficiently dried, stir contents thoroughly and Apply UV SPEC Ceramic using a brush or roller in a minimum of two coat system. Apply an even and consistent first coat of a minimum 0.85mm Wet Film Thickness (WFT) and once 1st coat is dry apply 2nd coat of a minimum 0.85mm WFT. To achieve a minimum 1mm DFT or 3+ coats to achieve equivalent result.

UV SPEC Ceramic must be applied to achieve a DFT of no less than 1.00mm (1000 microns) for floors & .5mm on walls. To test depth of coats, use a wet film thickness gauge at regular intervals. In Jointed areas, corners or cracks the membrane should be used in conjunction with reinforcing mesh tape. Applying primer and mesh, allowing for saturation to allow the product to perform at its max capability. Without wrinkles or bubbles. Allow to cure. And apply a further one or two coats of membrane.

### SURFACE PREPARATION – COVERAGE

The stated Coverage of this membrane is dependent on substrate conditions and preparation. Approximately 0.85mm per m<sup>2</sup> on walls and 1.7mm for walls to per m<sup>2</sup> WFT for a dual coat system,  
Floors – 1.00 dry film thickness(approx. 9m<sup>2</sup> per drum)  
Walls – 0.5mm dry film thickness (approx. 18m<sup>2</sup> per drum)

Note: Coverage figures are dependent on substrates condition.

### SURFACE PREPARATION

#### PERFORMANCE DATA @23° C & 55% RH

- Tac touch after 2 hours
- Allow 6 -12 hours between coats
- Allow 36 hours drying time prior to tiling
- Always allow longer drying times in cooler or damp conditions.
- Flood Test 4 days curing

Drying & curing is affected by porosity of surface, ventilation, weather. Application techniques. Curing time and drying are given as a guide.

### STORAGE

Keep in cool, dry place away from heat and direct sunlight, Shelf life up to 12 months in unopened original containers. Best used within 6 months one open and properly re sealed.

### CLEAN UP

Being a water-based product, any minor spills or on any equipment, it can be cleaned with water if still wet. Cured products should be cleaned with a solvent.



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### SAFETY AND PRECAUTIONS

UV SPEC Ceramic is a water-based product; however, avoid contact with skin and eyes. If poisoning occurs, contact a doctor immediately or the poison information center. Use of gloves and eye protection is always recommended.

### WARRANTY

WMA products are manufactured very rigid quality standards and guarantees the performance of UV SPEC Ceramic when the following applications are followed.

- Applied to adequately prepared and structurally sound surfaces
- All tiling installed in accordance with AS3958
- All waterproofing membrane installed in accordance with AS4654 and AS3740
- All relevant requirements of NCC
- WMA TDS or other written instructions WMA Will warrant its products for 10 years from time of application. If any product that have been applied in accordance with its specific data sheet or with WMA written instructions that have been proven faulty or defective, WMA will replace product free of charge and cover labor of original installation.

Physical Properties and Test results – Test report #6381 dated February 2021

WET AREA008 HAS BEEN TESTED AND PASSED as4858.  
CATEGORIZING IT AS A CLASS III MEMBRANE

#### Disclaimer:

This Technical Datasheet (TDS) contains technical details and recommendations based on our best knowledge and the information available at the time. You should read this TDS 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.

WMA 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 an accordance with any advice, specification, recommendation or information given by it.



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