

Technical Data Sheet ISSUED JULY 2017

PRODUCT DESCRIPTION

WPA TuffCote is a hard wearing, slip resistant top coat for external floor surfaces. It is specifically designed to increase the slip and wear resistance of the WPA 230 UV and WPA 200 waterproofing systems, in applications subject to residential foot traffic, varying climactic conditions and permanent UV light exposure.

WPA TuffCote bonds exceptionally well to WPA 230 UV, WPA 200 and other suitably prepared surfaces, is resistant to fungi and algae growth and has excellent weather resistance.

WPA TuffCote can be used as a standalone surface coating on new or existing concrete surface to provide a fresh, rejuvenated and slip resistant finish.

Recommended for:

- Roof areas
- Walkways
- Decks and Balconies
- Rooftop Plant Rooms
- General horizontal surface exposed to weather and foot traffic

FEATURES AND BENEFITS

- Non shrinking and flexible
- Resistant to fungi and algae growth
- Solvent Free, non-hazardous
- Excellent weathering properties
- Excellent adhesion to substrates
- Excellent ponding water resistance
- Foot trafficable
- Provides a slip resistant surface, no broadcasting of aggregates required
- Easy to clean and maintain

APPLICATION PROCEDURE

Substrates

WPA TuffCote is suitable for application onto WPA 230 UV and WPA 200 waterproofing membrane systems, masonry or concrete substrates.

Always contact the manufacturer if there is any doubt about the suitability of substrates.

Preparation

All surfaces to be coated must be firm, clean, dry, sound and smooth. All laitance, grease, oil, wax, curing compounds, loose material, paint and any other contaminants which may reduce or prevent adhesion must be mechanically removed. Masonry surfaces must be pointed flush and surface defects repaired.

Cement screeds must be cured for a minimum of 7 days. Damp screeds must be allowed to thoroughly dry or primed with WPA 460 or WPA 560 two part water based epoxy.

Priming

When applied onto the WPA 230 UV or WPA 200 waterproofing membrane systems, priming is not required. Ensure WPA 230 UV and WPA 200 has been applied in accordance with the application instructions, has fully cured and any surface contamination has been removed.

New concrete must be cured for a minimum of 28 days and primed with WPA 460 two part epoxy primer prior to the application of WPA TuffCote. Concrete substrates subject to rising damp must be primed with two coats of WPA 560 Moisture Seal prior to the application of WPA TuffCote.

Application

Prior to application, stir the contents thoroughly. Using a brush, roller or squeegee, apply the first coat of WPA TuffCote to the prepared substrate. If WPA 460 or WPA 560 primers are used on masonry substrates, ensure primers have cured sufficiently prior to application of WPA TuffCote.

When used as a top coat for the WPA 230 UV or WPA 200 waterproofing systems, apply an even and consistent coat of approximately 0.30mm (300 microns) wet film thickness. Once the first coat has dried, apply a second of WPA TuffCote at right angles to the first coat. Apply an even and consistent coat of approximately 0.30mm (300 microns) wet film thickness.

WPA TuffCote must be applied with a minimum of two coats to achieve a dry film thickness of not less than 0.50mm (500 microns). Test the depth of coats with a wet film thickness gauge at regular intervals during installation.

When used a standalone coating, apply an even and consistent coat of approximately 0.60mm (600 microns) wet film thickness. Once the first coat has dried, apply a second of WPA TuffCote at right angles to the first coat. Apply an even and consistent coat of approximately 0.60mm (600 microns) wet film thickness.

WPA TuffCote must be applied with a minimum of two coats to achieve a dry film thickness of not less than 1.0mm (1000 microns).

Note: Avoid contact with skin and eyes. Wear splash proof goggles and rubber or PVC gloves at all times.

Performance Data and Physical Properties @23°C & 55% RH

- Recoat - 4 hours
- Dry Film - 24 hours
- Weatherproof (horizontal) - 48 hours
- Allow longer drying times in cool or damp weather conditions

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Wet Form

- VOC 0.02grams/litre
- Appearance Grey or Slate Grey
- Specific Gravity 1.55kg / L

Cured Membrane

- Tensile Strength 2.2N/mm²
- Accelerated Weathering No changes after 500 hours (Xenon Arc method)
- Shore A hardness 92
- Slip resistance R10

Note: The slip resistance value stated above is based on laboratory samples. The on-site slip resistance is dependent on application methodology and substrate surface profile. In situ confirmation of slip resistance is advised.

LIMITATIONS

Do not apply WPA TuffCote:

- Over damp, wet or contaminated substrates;
- If it is raining or if rain is imminent;
- Directly over any existing coatings other than WPA 230 UV or WPA 200;
- As a high wear surface for vehicle traffic;
- Where ambient or surface temperatures are below 5°C or greater than 35°C;
- To areas subject to negative hydrostatic pressure or rising damp;
- To areas of continuous immersion such as swimming pools, ponds, water features or water tanks.

Clean Up

Tools and minor spills can be cleaned with water while product is still wet. Cured WPA TuffCote can be cleaned with an alcohol based solvent or by mechanical means.

Packaging

15 litre plastic pail.

Coverage

- Top coat - 0.6 litres per m² at 0.5mm dry film thickness (25m² per drum)
- Standalone - 1.2 litres per m² at 1.0mm dry film thickness (12.5m² per drum)

The coverage figures are theoretical due to wastage and depending on the porosity and profile of the substrate, coverage figures may be reduced.

Shelf Life

Unopened pails can be stored for up to 12 months in a cool, dry and weatherproof environment. If stored at high temperatures, the shelf life may be reduced.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126).

Inhalation

Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin Contact

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye Contact

If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion

Rinse mouth with water. If swallowed, do **NOT** induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

Notes To Physician

Treat symptomatically.

Spills

Prevent from entering drains or waterways. Absorb with sand, earth or spill control material. Collect in properly labelled containers for disposal in accordance with local statutory requirements.

WARRANTY CONDITIONS

Waterproofing Products Australia warrant this product for 10 years provided the application is in accordance with our written directions for use and the relevant Australian Standards have been followed. The representations and recommendations regarding this product are based on tests which we believe to be reliable. However, no guarantee of their accuracy can be made due to the great range of field conditions and variations encountered in raw materials, manufacturing equipment and methods. Thus, this product is sold with a limited warranty only, and on the condition that purchasers will carry out their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will Waterproofing Products Australia be liable to anyone except for replacement of the products or refund of the purchase price.

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IMPORTANT

The information provided in this technical bulletin is as correct in detail as possible and is intended to give a fair description of the product and its capabilities. In practice, the substrate and environmental conditions vary widely, making it essential for the user to determine the products suitability for a particular application and that the product is not used beyond its physical limitations. The product is guaranteed provided it is applied in accordance with our instructions as stated in this data sheet and any relevant Standard or Code, and provided the building and installation is structurally sound. WPA P/L terms and conditions of sale apply.

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this WPA P/L publication is based on the present state of our best scientific and practical knowledge. As the information contained herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness, either expressed or implied, is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

***NOTE**

Field service where provided does not constitute supervisory responsibility. Suggestions made by WPA P/L either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not WPA P/L, are responsible for carrying out procedures appropriate to a specific application.

DOCUMENT CONTROL	
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This is a CONTROLLED document under WPA's Quality System.