

02-09-2025

## TRACTION W

### As per AS/NZS 4586-2013

**TRACTION W** is a waterborne self-priming coating designed for use on all timber surfaces to provide either a P4 or P5 anti slip rated coating.

• <b>Product:</b>	<b>TRACTION W</b>
• <b>Standard Colours:</b>	Clear, Natural, Western Red, Light Oak
• <b>Clean up:</b>	Water
• <b>Drying Time</b>	20 minutes touch dry at ambient temperature of 25° C with good ventilation. (Note drying times will be slower in cold damp conditions, high humidity, and high builds)
• <b>Recoat Time</b>	2hour at recommended ambient conditions of 25°C.
• <b>Exposure</b>	Full exposure recoat every 12 – 18 mths or as required* under cover recoat every 24 – 36 mths or as required*
• <b>Gloss Level</b>	Matt
• <b>Coverage</b>	up to 15 m <sup>2</sup> /lt depending on timber species and porosity.
• <b>Container Size</b>	4, 10lt
• <b>Shelf Life</b>	12 months in original un-opened package
• <b>Film build</b>	As a guide roll on evenly and prevent surface pooling ( <b>50 micron dry film</b> )

**Uses:** **Traction W** has been formulated to provide an anti-slip surface on timber surfaces whilst maintaining excellent transparency and natural look. It is available in a P4 and a P5 grade compliant to **AS/NZS 4586-2013**. Traction can be used on interior and exterior flooring, stairs, and ramps to protect timber surfaces from effects of UV radiation, deliver slip resistance and is part of a full H2OIL colour deck protection/restoration system.

### SLIP RATING

#### Horizontal Surfaces

For flat surfaces around swimming pools, light foot traffic areas etc., apply **Traction W P4** grade to achieve **P4 wet slip rating**, as per **AS/NZS 4586-2013**, however, extreme care should always be taken when walking on wet surfaces, especially around swimming pools. **Traction W P4** will leave a low-profile grit finish.

#### Sloping surfaces, ramps, stairs, or high foot traffic areas

Use **Traction W P5** grade which achieves a **P5 wet slip rating**. **Traction W P5** leaves the surface with a more pronounced gritty appearance and hence increased slip resistance.

### AMBIENT RECOMMENDATIONS

- Do not apply Traction below 10°C or above 25°C, a hot surface will cause the product to flash off too fast. This will create surface defects as lap marks, to prevent this from happening, apply either early morning or later in the afternoon shade, under cover or coat prior to installation. (Generally, if the surface is too hot to walk on bare foot, do not seal.) Alternatively, temperatures below 10°C will greatly slow down the curing process and make the coated surface prone to early wear and sensitivity to water.
- Do not apply with relative humidity above 85% or if rain is imminent, this may affect the curing process and may cause drying problems and overall product performance.
- Substrate must be dry. Do not apply on wet or damp surface.
- Avoid application in direct sunlight. (Avoid blotchy uneven look, apply over small sections three full lengths at a time).
- Do not apply over existing solvent or water-based oils/coatings other than Aqualis products, strip old coatings using Aqualis StripEase refer technical data for instructions.

## APPLICATION REQUIREMENTS

### Application Tools

10 to 12 napp Micro Fibre or Mohair roller or brush

### SURFACE CLEANING AND PREPARATION PROCESS

1. Ensure surface is dry, free from dirt, grease, and mould.  
Treat with **Timber Clean** solution (refer to label instructions), thoroughly pre-wet the surface and surrounding walls and vegetation with water, scrub into the surface with a stiff bristle broom or brush and allow to stand for 3-5 min. Do not allow the surface to dry out.
2. Neutralise the timber surface by thoroughly washing with **Timber Prep** solution (refer to label instructions) once again scrub into the surface using a soft bristle broom or brush. Allow to activate for 3-5 min and thoroughly rinse with clean water. Allow timber to surface dry and lightly sand with 80-150 grit paper to remove raised timber fibres or any remaining surface impurities. For problem surfaces with persistent mould infestation treat with **No Fungal Pro** (Follow all recommended label and or data sheet instructions).
3. Allow 2-4hrs to achieve good surface drying prior application of **Traction W**.

### Absorption Test

Test the surface for adequate absorption before coating. Sprinkle water on at least three random sections of deck. The water must readily absorb into the timber and not bead on the surface. If water beading occurs or the surface is resistant to water penetration, do not commence coating. Repeat the Timber Prep /Rinse treatment to ensure correct surface properties are achieved.

### Mould Problem Areas

Microbial growth is dependent on several factors, generally poor ventilation, persistent moisture, dirt pickup, organic debris from surrounding vegetation, climatic conditions etc. If microbial growth is persistent, the cause may be site or structurally specific and may need to be addressed to eliminate the problem. Conditions which include environmental, lingering dampness, poor soil drainage, inadequate ventilation, structural faults, no moisture barrier, lack of maintenance or a combination of which may all contribute to mould, mildew, algae, or lichen regrowth and ultimately damage and costly repairs. Treating the surface may intermittently minimize microbial regrowth on the 'surface', however, beneath the surface will continue to be a problem so long as the root cause has not been eliminated.

### Never apply Traction W directly onto a mould infested surface.

All existing coating and mould need to be removed completely and after surface has been cleaned/sanded as per Prepping Instructions, allow the surface to completely dry before treating with Diluted **No Fungal Pro** solution. Follow all label or Technical Data Sheet instructions.

### APPLICATION OF TRACTION W ON RAW TIMBER

1. Raw timber surfaces require a minimum of three coats of **Traction W**.
2. Clean and prep process refer Timber Clean/Timber Prep application procedures.
3. Apply first coat of **Traction W** to 3 full lengths of board at a time ensuring an even coating of the grit is applied. Do not push down too hard on the roller as this will cause the grit to drop out in clumps on the surface. Note, heavy application of Traction will cause longer dry times, do not allow product to pool, and ensure coating is applied as evenly as possible. Allow thorough drying approximately 2 hours or as required depending on weather condition or film build, basically recoat when the previous coat is dry enough to walk on without leaving a print.
4. Apply a second coat of **Traction W**, as detailed above and allow to dry.
5. Apply a third and final coat of **Traction W** to achieve optimum slip resistance.

### APPLYING TRACTION W TO AQUALIS H2OiL COATED TIMBER

Surfaces previously sealed in Aqualis **H2OiL** require a minimum of two coats of **Traction W**.

Wash surface with **Deck Bright** (use a soft bristle broom or scrubbing brush) follow all data sheet or label recommendations, rinse surface thoroughly with garden hose and when dry, apply **Traction W**, as detailed in steps 3-4 above.

## APPLYING TRACTION W TO NON AQUALIS COATED TIMBER

Traction W should only be applied to raw timber or timber which has been coated with **Aqualis** products. All other oils or coatings should be thoroughly sanded off using 40-60 grit paper or stripped clean with Aqualis **Strip Ease**.

1. Once the old coating has been totally removed, proceed with an Aqualis **Timber Clean** and **Timber Prep** process. Be sure to follow application steps outlined on the labels or the relevant data sheets. Rinse with clean water and as soon as surface is dry, lightly sand, if necessary, with 80-150 grit paper to remove raised timber fibres or any remaining surface imperfections if required.
2. For application of **Traction W**, follow the steps as per '**Application of Traction W over Raw Timber**' with a minimum of three coats.

## MAINTENANCE

Traction is formulated to slowly erode away and not peel if applied in accordance with recommendations set out in this data sheet. If protected from direct sunlight and with light foot traffic **TRACTION W**, may only need to be recoated once every 2-4 years. Fully exposed, Traction W will require a regular maintenance programme every 1-2 years. Intermittent cleaning every three months with Aqualis **Deck Bright** keeping the surface free from algal, mould or lichen growth, tree sap and dirt will also extend the life of the coating. **Do not clean sealed surface with alcohol, bleach, solvent or solvent based cleaners.**

Although all raw materials used in this product exhibit excellent U.V. resistance, the coating film itself cannot prevent timber fibres from breaking down from long term exposure to direct sunlight eventually resulting in coating fatigue. Heavy foot traffic areas exposed to direct sunlight will show obvious signs of wear quicker than shaded, light traffic areas.

Coated decking should be periodically checked for signs of weathering or damage which may include fading of colour, greying timber, dry patches, deep scratches, water ingress or staining. Early signs of surface defects should be repaired immediately. Treat the surface with **Deck Bright** and apply a maintenance coat of **TRACTION W**, as illustrated above to extend durability.

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