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TRACTION (on Timber) As per AS/NZS 4586-2013

TRACTION is a waterborne self-priming coating designed for use on all timber surfaces to add a slip protective coating.

- **Product:** TRACTION
- **Standard Colours:** Natural, Western Red, Light Oak, Clear
- **Clean up:** Water
- **Drying Time** 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)

- **Recoat Time** 2hour at recommended ambient conditions of 25°C.
- **Exposure** Full exposure recoat every 12 – 18 mths or as required*
Under cover recoat every 24 – 36 mths or as required*

- **Gloss Level** Matt
- **Coverage** up to 15 m²/lt depending on timber species and porosity
- **Container Size** 4, 10lt
- **Shelf Life** 12 months in original un-opened package
- **Film build Recommended** build per coat 30 – 50 microns.
Excessive builds will prolong drying times leaving the coated surface soft and subject to early damage.

Uses: Traction has been designed to impart a natural look on timber substrates mixed with fine Polyester Grit for slip resistance. It is available in a P4 and a P5 grade compliant to **AS/NZS 4586-2013**. Traction can be used on interior flooring and stairs solely to protect the timber surface and impart slip resistance, or externally as part of a full H2Oil colour deck protection/restoration system.

APPLICATION

Application Tools

- 10 to 12 napp Micro Fibre or Mohair roller or brush

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. (to 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.**

BEFORE APPLYING TRACTION: - CLEAN AND PREP PROCESS

1. Ensure surface is dry, free from dirt, grease and mould.
2. Treat any mould 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 soft bristle broom or brush and allow to stand for 3-5 min. Do not allow the surface to dry out.
3. 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.
4. Allow 2-4hrs to achieve good surface drying prior application of **Traction**.
5. Water test the surface of the deck before coating. Sprinkle water on at least three random sections of deck. The water must instantaneously 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.

APPLICATION OF TRACTION OVER RAW TIMBER SURFACE

1. Clean and prep process refer Timber Clean/Timber Prep application procedures.
2. Apply first coat of **Traction** 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. Using the roller will impart more product on the surface and therefore might take longer to dry. Do not allow product to pool and ensure coating is applied as evenly as possible.
Allow thorough drying for approximately 1-2 hours or as required depending on weather conditions/film builds. (Optimum film build per coat 30 microns dry film)

Re-coating can proceed once the previous coat is dry enough to walk on without leaving a print, in optimum conditions and correct application of previous coats, this can be approximately one hour.

3. Apply a second coat of **Traction** as above.
4. Apply a third and final coat of **Traction** to achieve optimum slip resistance

APPLYING TRACTION TO PREVIOUSLY COATED TIMBER

Traction should only be applied to raw timber or timber which has previously been coated with Aqualis H2Oil product. All other oils or coatings should be thoroughly stripped clean or sanded back to bare timber. Old coatings including solvent based oil can be removed with Aqualis '**Strip Ease**' follow recommended guidelines.

1. Once the old coating has been totally stripped away, 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 with 80-150 grit paper to remove raised timber fibres or any remaining surface imperfections if required.
2. For application of Traction follow the steps as per **Application of Traction over Raw Timber surface**

(It is recommended that two coats of Traction Clear be applied over a H2Oil sealed surface to achieve optimum slip results.)

(Do not exceed the recommended 30 – 50 microns dry film build.)

MAINTENANCE

If protected from direct sunlight and with light foot traffic **TRACTION**, may only need to be recoated once every 2-4 years. Extended exterior durability can be achieved provided timber is protected from elements of weather and direct sunlight. 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 failure. 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** as illustrated above to extend durability.

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