

07-11-2020

Traction (on wood plastic composite) As per AS/NZS 4586-2013

Traction is a waterborne protective coating designed for use over first-generation Wood Plastic Composite substrates to add a slip resistant medium for slip protection.

- **Product:** Traction
- **Product Code:** 888TR-XXX (Three figure suffix denoting Gloss level and size)
- **Standard Colour:** Clear
- **Gloss level:** Matt
- **Spread Rate:** Approximately 15 m²/lt per coat.
- **Application Tools:** 10 to 12 napp Micro Fibre or Mohair roller or brush
- **Thinning/clean up:** No thinning required, clean up with water.
- **Drying Time** 20-30 minutes touch dry at ambient temperature of 25° C with good ventilation.
(Note drying times will vary depending on climatic conditions and film builds)

- **Recoat Time:** 1-2 hours (30-50 microns dry film thickness, heavier builds will require longer drying times)
- **Exterior Exposure:** 12-18 months (provided surface is maintained periodically with Composite Clean)
- **Container Size:** 4lt, 10lt
- **Shelf Life:** 12 months in original un-opened package
- **Flash Point:** Non-Flammable

Uses: **Traction** has been designed to impart the natural look on wood plastic composites substrates mixed with fine Polyester Grit for slip resistance. It is designed to provide a full slip resistance P4 rating as per AS/NZS 4586-2013, and with the addition of P5 Grit will give a full P5 rating as a wet surface pendulum test. **Traction** is quick and easy to use and can be used as a Sealer to protect the Composite surface or as part of the full protection/colour restoration process with Aqualis **Refresh**.

SURFACE PREPARATION

- 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 in the 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 may lead to film defects.
- 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). Apply by brush or roller (Micro Fibre, Mohair) **Traction** evenly, do not allow to pool on the surface)
- 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.
- Not recommended for use on polymer capped 2nd generation composites

CLEANING PROCEDURE

New Wood Plastic Composite

1. Prepare all Composite Wood surfaces by applying **Composite Clean** treatment solution as per mixing rate of 12:1 as shown on the label. Apply at this volume rate for normal treatment (**Composite Clean** is a low suds action, deep penetrating conditioner treatment). For stronger preparation solutions refer to the label or data sheet.
2. Once the **Composite Clean** is applied to the deck or cladding, scrub the surface with a stiff bristle broom or mechanical scrubber on larger decks and wash off after approximately **3 - 5** minutes with clean water. Use a squeegee to remove any excess water from the deck as this will also aid in the drying time.
3. Allow the surface to dry

Weathered Wood Plastic Composite

1. Depending on the condition of the surface, this should be treated and prepared as per the steps for new Wood Plastic Composite – Cleaning Procedure, with the exception that the product may need to be treated a second time to remove all stubborn oxidation, dirt, fungus / algae, tree sap, tannins or food stains. This will be a case by case site evaluation.
2. For removal of general soiling or stains from Wood Plastic Composites surfaces we recommend that they should be treated as soon as possible with **Composite Clean** at the recommended strengths as indicated on the label. For old stubborn stains, especially BBQ oil and fat staining use **Composite Clean** at a stronger concentration. Depending on the age and degree of soiling, a re-application may be required to remove the residue of the oil / fat stain. Thoroughly rinse with water.
3. Allow the surface to dry

TRACTION APPLICATION PROCEDURE

New Wood Plastic Composite

Traction may be applied to Wood Plastic Composite decking. Wood Plastic Composites may lighten over time, surfaces may also be affected by imbedded dirt, stains, or microbial growth and therefore the method of coating should be decided on the degree of deterioration. Also, noting that the finish coating will strengthen or deepen the existing colour of the treated surfaces.

After cleaning and drying the Wood Plastic Composite as detailed above, apply **Traction** as follows:
Application Equipment: 10 to 12 napp Mohair or Micro Fibre roller

- Apply first coat 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.
- Allow thorough drying for approximately 1-2 hours or as required depending on weather conditions/film builds and repeat a coat of sealer as detailed above, apply 3 coats to achieve optimum slip results. Optimal dry film build per coat is 30 -50 micron, exceeding this build will prolong the curing time leaving the film soft and subject to early damage.

Aged Wood Plastic Composite or previously treated Wood Plastic Composites requiring colour restoration

Previously coated surfaces

Previously coated composites requiring colour restoration must be stripped back to raw composite using Aqualis **Strip Ease (refer data sheet or label instructions)**.

Surface must then be cleaned with **Composite Clean** as illustrated under 'Cleaning Procedure' and allowed to thoroughly dry.

Aged or weathered composite

Faded surfaces requiring colour restoration must be cleaned with **Composite Clean** as illustrated under 'Cleaning Procedure' and allowed to thoroughly dry.

After the surface has been stripped/cleaned and is completely dry, first apply **Refresh** then **Traction** as follows

COLOUR RESTORATION

Application Equipment: lamb's wool applicator, brush, or rag.

- Apply Aqualis **Refresh** thinly directly onto the surface. Ensure that the applicator used is not over loaded, remove all excess **Refresh** (this is important), and if the product pools on the surface remove to ensure an even finish. Apply to 3 full lengths of board at a time and continue to do this until completed. Depending on the weather conditions, the product will dry in approximately 2 to 4 hours. To shorten drying time, back wipe the product using a second dry lambswool applicator. (Three boards at a time) Ensure that you do not walk on wet **Refresh** as this will leave footprints. If this does happen, simply rub more of the product onto the affected area and this will remove any damage, this can be done any time prior to the application of **Traction**.
- Once **Refresh** has dried, apply 3 Coats of **Traction** as outlined in '[Traction Application Procedure](#)'.

SLIP RATING

Horizontal Surfaces.

For flat surfaces around swimming pools, light foot traffic areas etc., apply **Traction** premixed with fine grit 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 P4 will leave a low-profile grit finish.

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

Add P5 Grit to **Traction** achieves a **P5 wet slip rating**. The P5 additive in this case will give the surface a more pronounced gritty appearance and hence increased slip resistance.


Sealing the surface will slow the effects of UV fading, and will require a recoat approx. every 12 to 18 months. As there is a slip medium added to the sealer, attention will be needed to ensure that the full slip rating is maintained. A fresh recoat may be required to areas of high traffic volume at any time.

For further information on product use or product selection, please consult nearest distributor or place of purchase or refer to the [Aqualis Web site](#).



47A Lara Way,
Campbellfield,
Victoria 3061
ABN 13 616 962 282

☎ 1300 046 832
✉ sales@inteccoatings.com.au
🌐 www.aqualis.com.au
📘 www.facebook.com/aqualisaustralia



All advice, recommendations, information, or service provided by Aqualis Coatings in relation to product manufactured or supplied by it or their use and application is given in good faith and is believed by Aqualis Coatings to be appropriate and reliable. This information may be subject to change without notice. No warranty expressed or implied is made as to its accuracy, completeness or otherwise provided that the foregoing shall not exclude, limit, restrict or modify the right entitlements and remedies conferred upon any person or the liabilities imposed upon Aqualis by any condition or warranty implied by Commonwealth, State or Territory Act or ordinance void or prohibiting such exclusion limitation or modification. Aqualis does not warrant the use of any competitor's products in conjunction with its own product range. Aqualis products are expected to perform as indicated provided the substrate is in good condition and has not been irreparably affected by the effects of age, biota, weather and that all preparation and application procedures are adhered to.