



# Transtain

## Technical Data Sheet

### Description:

**Transtain** is a water-based; oil modified polyurethane stain formulated for all types of timbers including exterior decking. The penetrating semi-transparent finish delivers excellent UV resistance combined with water repellence and anti-mold properties. Based on European technology, **Transtain** conforms to EU Directive 2004/42/EC Phase2 with less than 30gms/litre of VOC.

### Physical Properties

|                                 |                                                                             |
|---------------------------------|-----------------------------------------------------------------------------|
| <b>Resin Type:</b>              | Oil modified Polyurethane                                                   |
| <b>Solvent:</b>                 | Water                                                                       |
| <b>Colour:</b>                  | Range of oxide based semi-transparent colours                               |
| <b>Finish:</b>                  | Low Sheen                                                                   |
| <b>Drying Time:</b>             | 2-3 hours                                                                   |
| <b>Recoat Time:</b>             | Immediate, wet on wet                                                       |
| <b>Dry Film Thickness:</b>      | Not applicable                                                              |
| <b>No. of Coats:</b>            | 1 or 2 depending on depth of colour required                                |
| <b>Theoretical Coverage:</b>    | 4-12m <sup>2</sup> per litre depending on type of timber and porosity.      |
| <b>Primer Needed:</b>           | No                                                                          |
| <b>Thinning &amp; Cleaning:</b> | Thinning not required, clean up with water when wet, mineral tups when dry. |

### Performance:

- ✓ Excellent penetrating properties
- ✓ High UV protection
- ✓ Excellent water repellent properties
- ✓ Contains anti-mold additives
- ✓ Fast drying
- ✓ Can be used on all exterior grade bare timber

### Limitations:

- Previously painted or vanished timber must be sanded back to bare wood.
- Do not apply if temperature is expected to fall below 5°C or dew is expected within 3 hours of application.

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## Substrate Preparation:

### New Timber:

- It is recommended that all hard woods and high resin content timbers be weathered for a minimum of 4 weeks before staining. Regular rinsing with water will assist with weathering.
- **New Timber continued:**
- LOSP treated pine should be weathered for 2 weeks prior to application.
- Hard shiny surfaces on new timber must be sanded to allow full penetration of **Transtain**.

### Previously Stained or oiled timber:

- These may be re-stained following suitable cleaning and preparation.
- Ensure existing stained or oiled surfaces are receptive to **Transtain** by checking absorbance by splashing water on to the surface. If the water beads on the surface or is not quickly absorbed the original stain must be removed or a patchy finish will result.
- Patchy and unsound surfaces must be stripped to bare wood before staining.

### All Timbers:

- Ensure all surfaces are cleaned and free from dirt, wax grease and mould by using appropriate cleaners.
- Sand along the grain using 180-240 grit paper. Remove all sanding dust
- Rinse whole surface with clean water and allow to dry before application.
- Where necessary fill cracks and nail holes with appropriate exterior grade filler or putty. After the filler has dried sand and remove dust.

### Application:

- Stir contents thoroughly before and regularly during use. Boxing is recommended if more than 1 container at a time is being used.
- Apply with clean dry high quality brush or applicator pad. Pay special attention to end grain, cracks and exposed edges.
- Apply along the full length of 2-3 boards at a time working the stain well into the timber. Keep a wet edge by working back in to the stained area while it is still wet.
- Apply only as much stain as the timber will absorb and do not allow the stain to pool in low areas.
- Second coat must be applied wet on wet before moving on to the next 2-3 boards.
- Allow finished job to dry for a minimum of 24 hours before subjecting to light foot traffic.

### Special Notes:

- All exterior timber stains require regular maintenance to retain their appearance.
- We recommend re-coating every 2-3 years or as soon as the timber shows signs of weathering.
- Areas of high foot traffic and more exposed positions may weather faster than surrounding areas.
- Porous and open grained timber may weather faster than dressed substrates.
- Some dense non porous hardwoods may require early re-staining before attaining full durability.
- Be sure timber is dry and rain is not forecast for 24 hours after coating. Pooling water a short time after coating can damage the stain coating.

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