

# DRYDEN

## HydraCoat

WATER  
BASED  
STAIN

### Dryden Waterborne Ply & Interior

### Data Sheet

#### Features General Description

Dryden HydraCoat is a water-borne, breathable oil modified polyurethane stain formulated for all types of interior and exterior timbers. The penetrating semi-transparent finish delivers excellent UV resistance combined with special anti-mould properties, water repellence and beading technology.

#### Colours: Standard

A full range of popular tones and natural wood colours, including clear.

**Recommended for:** For exterior/interior use: cladding, soffits, ceilings, joinery, wood panelling, doors, trim etc. Dryden HydraCoat gives wood protection where applied.

#### Physical Properties

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

#### Performance:

- ✓ Excellent penetrating properties
- ✓ High UV protection
- ✓ Excellent water repellent properties (water beading)
- ✓ Contains special long-term anti-mould additives
- ✓ Fast drying
- ✓ Can be used on all exterior grade bare timber

**Limitations:**

- As a result of water repellent properties a 2nd coat may take much longer to dry, may not key and finish may separate if not applied wet on wet. If 2nd coat is required after drying, light sanding and a wash is recommended. We recommend a test patch prior to confirm suitability.  
A light sanding, linearly along the timber is recommended to break the surface (400 or finer grit) avoiding swirls. Too coarse or too hard sanding will remove the product, you only need to break the surface.  
A wash with Dryden Surface Cleaner. Refer to Dryden Surface Cleaner Data Sheet for use.
- Previously painted or varnished timber must be sanded back to bare wood.
- Do not apply heavy coats (like Varnish) or allow pooling, as excess product application can cause failure.
- Do not apply if temperature is expected to fall below 5°C or dew is expected within 3 hours of application.
- Part used cans have a limited life and can alter appearance.

## PRODUCT INFORMATION

**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.
- LOSP treated timber must not be coated until the chemicals in the treatment process have evaporated from the timber, refer LOSP timber manufacturer's Data Sheet.
- Hard shiny surfaces on new timber and dressed timbers must be sanded to allow full penetration of Dryden HydraCoat Ply & Interior.

***Previously Stained or oiled timber:***

- These may be re-stained following suitable cleaning and preparation.
- Ensure existing stained or oiled surfaces are receptive to Dryden HydraCoat Ply & Interior 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 (not necessary Band Sawn). Remove all sanding dust.
- Where necessary fill cracks and nail holes appropriate exterior grade filler or putty. After the filler has dried sand and remove dust.

***Coverage:***

Dryden HydraCoat Ply & Interior coverage rates may vary due to porosity, moisture and timber type.

***We recommend to apply at:***

- New hardwood timbers approx: 12-14 square metres per litre.
- New dressed face timber, Ply, Cedar approx: 10-12 square metres per litre.
- New bandsawn timbers and restored dressed faced timbers approx: 8-10 square metres per litre.
- Restored bandsawn timbers and wooden shingles, approx: 8-10 square metres per litre.

## 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 PAL speedbrush, high quality brush or airless spray. 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, see limitations.**
- Allow finished job to dry for a minimum of 24 hours to cure.

## Initial Coats on Site

We recommend that one single coat of Dryden HydraCoat Ply & Interior is applied to the back of the cladding/timbers prior to attachment. Timbers must be protected from environmental conditions while not fixed. Remember to coat cut ends prior to or when fixing. On the cladding face once fixed a first and second coat of Dryden HydraCoat Ply & Interior should be applied, **in sections wet on wet**, see limitations. Using best painting practices.

## Clean Up

Clean up all equipment, overspray, spills with water when wet, mineral turps when dry.

## Special Notes

- All exterior timber stains require regular maintenance to retain their appearance. Annual wash using Dryden Surface Cleaner for exterior timbers.
- We recommend re-coating every 2-3 years or as soon as the timber shows signs of weathering.
- Areas in 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.

## FIRST AID

If you feel unwell: Call National Poisons Centre or doctor/physician. If medical advice is needed, have this SDS or product container or label at hand.

**If Swallowed:** Rinse mouth.

**If in Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**If on Skin/Hair:** Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

**If Inhaled:** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

---

**INFORMATION:**

If clarification or further information is needed the user should contact this company.  
The responsibility for products sold is subject to our standard terms and conditions.  
For more information on Dryden HydraCoat please refer to the Dryden HydraCoat Specification Sheet and Dryden HydraCoat SDS.

**For urgent emergency information only:**

National Poisons Centre 0800 704 766

**For additional information contact:**

Dryden Distribution Ltd  
Free Phone: 0800 379 336 Phone: (09) 447 3995 Fax: (09) 447 3994  
PO Box 300 661 – Albany Mega Centre – Auckland 0752  
or visit [www.dryden.co.nz](http://www.dryden.co.nz)

Revised Primary Dryden HydraCoat Ply & Interior Data Sheet: October 2017