

DRYDEN

HydraCoat

WATER
BASED
STAIN

Dryden Waterborne Ply & Interior

Coatings Specification

This specification sheet relates to the selected Dryden HydraCoat Interior/Exterior for the purpose of protecting wood surfaces for the below project.

Project:

Contract:

Building:

Location:

Agent:

Specification no:

Prepared by:

Date:

Scope

The work involved and intended in this Contract is to be carried out at the location detailed on previous page. It comprises the preparation of all surfaces and the application of Dryden HydraCoat in accordance with this specification and the manufacturer’s instructions.

Tenders and Contract Form

The successful Contractor may be required to sign a contract in relation to this specification to indicate that they have made themselves entirely familiar with their obligations as set out in this specification. This is the specification referred to in our Contract:

Dated: _____

Owner: _____

Witness: _____

Contractor: _____

Witness: _____

Site Examination

Contractors are advised to examine the site before tendering. The submitting of a tender will be taken as an indication that the Contractors have visited the site and made themselves familiar with any matters that might affect the fulfilment of their part of the Contract and have made due allowance in their tender for these. No consideration shall be granted for any misunderstanding as to the work to be performed or materials to be used.

Time to Completion

The Contractors shall state in their tender:

- a) The date on which they could commence performance of the Contract.
- b) The period they will require in which to complete the Contract.
- c) The minimum number of workers they intend to have working on the performance of the Contract.

Access

Access to the site of works for the purpose of carrying out the works shall be given to the Contractor on the date for commencement of the Contract. The Contractor shall begin the works immediately after such access has been given and shall proceed regularly with the same and shall complete performance of the Contract within the time specified.

Bylaws and Regulations

The whole of the painting operations shall be carried out in conformity with Regulations and Requirements of all Public Bodies having jurisdiction in the matter and the Contractor shall pay any fees which may be payable in respect thereof.

General

This specification has been written in good faith with correct information available at the time. It is assumed that the nominated Contractor/applicator has the necessary experience and equipment to complete the requirements of this specification. If any substrate differs or is missing from this specification, please advise the writer.

Any other questions arising from the specification should be referred to the writer or Dryden Distribution Ltd, at the address on this document.

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1.0 DOCUMENTS

1.1 Referred Documents

Documents referred to in this section are:

- Health and Safety in Employment Act 1992
- AS/NZS 2311 Guide to the painting of buildings
- OSH Guidelines for the provision of facilities and general safety in the construction industry
- MPNZA Painters’ Hazard handbook

The documents listed above and the cited clauses that follow are part of this specification.

However, this specification takes precedence in the event of there being a variance with the cited document.

1.2 Manufacturer’s Documents

Manufacturer’s and supplier’s documents relating to work in this section are:

Dryden HydraCoat, Specification sheet, Tech Data sheet and Safety Data sheet.

Copies of the above documents are available from:

Web: www.dryden.co.nz

Email: info@dryden.co.nz

Telephone: +64 9 447 3995

Facsimile: +64 9 447 3994

Freephone: 0800 379 336

1.3 Abbreviations

The following abbreviations are used throughout this part of the specification:

MPNZA – Master Painters New Zealand Association.

1.4 No Substitutions

Substitutions are not permitted to any specified Dryden brand products, components or accessories.

2.0 REQUIREMENTS OF THE CONTRACTOR

2.1 Qualifications

Painters to be experienced competent workers, familiar with the materials and the techniques specified.

2.2 Control Samples

Prepare samples of the finished work as scheduled, including preparation and colour as specified. Obtain approval of the appearance before proceeding. Refer to SELECTIONS 9.0.

2.3 Health and Safety

Refer to the requirements of the Health and Safety in Employment Act and OSH “Guidelines for the provision of facilities and general safety in the construction industry”. If the elimination or isolation of potential hazards is not possible then minimise hazards on site by using the proper equipment and techniques as required in the MPNZA Painters’ Hazard handbook. Supply product SDS, protective clothing and equipment. Inform the Contractor as well as the employees and others on site of those hazards and put in place procedures for dealing with emergencies.

2.4 Data Sheets

Obtain Dryden Data Sheet for each product used and keep data sheets on site. Ensure all applicators have read the material Data Sheet for each product prior to use and comply with the required safety procedures.

2.5 Warranty

Please read all notes on this document including section 2.7.
Refer Consumer Guarantees Act.

2.6 Guarantee

The Contractor guarantees this work under normal conditions of use against failure of materials as according to the Dryden HydraCoat Specifications and Product Data Sheets.

Refer to the general section for the required form of guarantee and details of when completed guarantees must be submitted. The Contractor is to guarantee their work against all defects that may occur within three months from the completion of the Contract and will be required to make good such defects at their own cost.

2.7 Insurance

The Contractor shall provide adequate public liability insurance.

2.8 Performance and Inspection of Work

Inspection of the whole of the work at each of the stages scheduled may be made. Agree a programme that will facilitate such inspection, who and how inspections or reporting will be done, including notification when each part and stage of the work is ready for inspection.

3.0 PRODUCTS AND MATERIALS

3.1 Dryden HydraCoat Interior/Exterior Wood Coating

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-mold properties, water repellency and beading technology.

Decorates wood and enhances the natural beauty of the grain.

For exterior/interior use: cladding, soffits, ceilings, joinery, wood panelling, doors, trim and cabinets. Particularly recommended for use on hard woods. Dryden HydraCoat gives wood protection where applied.

3.2 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

3.3 Colour Toning

HydraCoat is available in a range of natural colours which helps maintain and complement timber character and colour.

It is recommended that if a colour is chosen that for maximum retention it is used in all applications of HydraCoat to the timber.

Dryden HydraCoat colour samples, online and print images are approximate only, as the actual raw timber colour, seasoning and application rate will determine the final colour achieved.

A more natural appearance is obtained by colour being contained by the surface fiber; because of this colour retention is better on rough timber than on smooth timbers.

Part-used cans have a limited life and can alter appearance.

4.0 EXECUTION

To conform to the best trade practice which shall be deemed to include those methods, practices and techniques contained in AS/NZS 2311, MPNZA Specification manual and the OSH publication "Guidelines for the Provision of Facilities and General Safety in the Construction Industry". Comply with Dryden HydraCoat requirements and any additional requirements in this specification.

4.1 Preparation

Refer to both Dryden HydraCoat Specification and Data Sheets for preparation.

4.2 Use

Use paint strippers, cleaning agents, mould inhibitors, degreasers, knotting and fillers to the Dryden HydraCoat requirements, using those products that are specified on our Data Sheets. Contact Dryden if unsure.

4.3 Restore Weathered Wood Surfaces

Restore timber prior to coating HydraCoat with Dryden Surface Cleaner or Dryden Liquid Timber clean to Dryden requirements, where the timber is weathered, shows signs of environmental grime, mould, watermarks or discoloration. Contact Dryden if unsure.

4.4 Pre-Stained Surfaces

Ensure surface coating, stained, polyurethane surfaces previously coated with non-Dryden HydraCoat are stripped back to bare timber prior to application of HydraCoat. Contact Dryden if unsure.

4.5 Compatibility

Check that materials are as required by Dryden HydraCoat, for the particular surface and conditions of exposure, and that they are compatible with each other.

4.6 Treated Surfaces

Check that surfaces that have been treated with preservatives or fire retardants are compatible with the coating material. If unsure, obtain instructions before proceeding.

4.7 Hardware

Do not paint hinges or hardware that cannot be removed. Carefully remove hardware, fixtures and fittings before commencing work. Set aside where they cannot be damaged or misplaced and replace on completion. Refer to SELECTIONS for hardware, fixtures and fittings for removal.

4.8 Protection

Use drop sheets, coverings and masking necessary to protect adjoining fixtures, fittings and spaces from drops, spots, spray and damage.

4.9 Colour

Refer colour chosen, SELECTIONS 9.0 section. HydraCoat, colours, print on paper, internet web site, colour chips and liquid and supplied samples are a representative guide only as the timber type, the actual raw timber colour, exposure and seasoning of timbers and the quantity of oil applied, will also determine the final colour achieved.

Part-used cans have a limited life and can alter in appearance.

5.0 APPLICATION – PREPARATORY WORK

5.1 Sequence of Operations

Painting work to generally follow the sequence below:

- Contact Dryden to instigate a programme to facilitate an inspection or reporting of work complete (new builds).
- Have timbers on site away and protected from contaminants and environmental grime.
- Complete all surface preparation before commencing coating.
- Ensure pails are matched/boxed for whole vicinity/section, check colour/tone provided against specification/control samples.
- Coat board's full length linearly and complete individual walls at one time, use good painting practices.
- Coat all cut ends prior to or when fixing.
- Interior: 1 or 2 depending on depth of colour required.
Exterior: 2 coats
- Clean up over-spray or accidental spillage on unwanted surfaces such as windows.
- Protect new work from damage from contaminate type site work not complete.

5.2 Delivery

Protect materials during transit. Check materials on delivery for condition. Reject and replace damaged materials.

5.3 Moisture Content

HydraCoat should only be applied to dry timbers (ideal conditions: weather dry, maximum 17% moisture content). 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.

5.4 Preparing Dressed Timber

Ensure dressed timber is smooth, free from raised or woolly grain, planing burrs or other machining defects. In some instances the option to slightly round or ease sharp edges to ensure they can be properly coated, to a minimum 3mm could be considered and flat sawn, dressed weatherboards must be sanded with a suitable grit sandpaper to slightly roughen the surface and remove mill glaze.

Remove any dust or dirt by thorough brushing of surfaces. Fill large cracks with suitable fillers but ignore small.

NOTE: Use only oil based paints on linseed-oil based window putties.

Do not use steel wool wire brushes as iron fragments cause staining.

5.5 Preparing Rough Sawn Timber

Thoroughly brush along the direction of the grain to remove dust and debris. After brushing, turn timber over and bang several times to ensure all loose fibres fall off. Fill large cracks with suitable fillers but ignore small.

NOTE: Use only oil based paints on linseed-oil based window putties.

Do not use steel wool wire brushes as iron fragments cause staining.

5.6 Fixings

Take timber fixings below the painted or clear finished surface. Leave corrosion resistant timber fixings flush with clear finished surfaces.

5.7 Sharp Edges

Ensure sharp edges on timber are sanded to a rounded profile to ensure adequate product cover. Apply a stripe coat of each specified coating onto steelwork welds and sharp edges. Sand, grind or file sharp edges on other substrates to a rounded profile where practicable.

5.8 Remedial Work

If any substrate or surface cannot be brought up to a standard that will allow painting or clear finishing of the required standard then do not proceed until remedial work is carried out.

5.9 Gap Filling

Fill large cracks with suitable fillers but ignore small.

NOTE: Use only oil based paints on linseed-oil based window putties.

Do not use steel wool wire brushes as iron fragments cause staining.

6.0 APPLICATION – TIMBER

- 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, coverage rates are indicative, do not lay on thick or cause 'varnish' layering.
- Second coat must be applied wet on wet before moving on to the next 2-3 boards.
- 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.
- Allow finished job to dry for a minimum of 24 hours to cure.

6.1 Initial Coats on Site

We recommend that one single coat of Dryden HydraCoat 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 6.0. Using best painting practices.

Exteriors: Minimum two full coats required.

Interiors: One coat is required. Depth of colour can be affected by amount of coats. Experiment first to determine the effect you desire. To achieve darker richer tones you may apply more than one coat, wet on wet. See 6.0.

6.2 Initial Coats, Factory Pre-Applied

The first coat of Dryden HydraCoat Ply & Interior can be applied through a Pre-Coat spray application; this system offers factory applied Dryden HydraCoat coating (custom formulated for this purpose) within a controlled environment delivering a non-beading seal to timber profiles, prior to delivery. Timbers must be protected from environmental conditions while not fixed. Cut ends must be coated prior to or when fixing. A second coat of Dryden HydraCoat Ply & Interior should be applied once cladding is fixed. Using best painting practices. Dryden HydraCoat Pre-Coat can be purchased separately if required but must be followed up with a beading second coat.

Exteriors: Minimum two full coats required, one factory applied, one on fixing timbers.

Interiors: One coat is suitable, but depth of colour can be altered by applying more than one coat. With factory pre-coated application, 2nd coat on site can be applied at completion of timber fixing. Using best painting practices.

6.3 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.

7.0 COMPLETION AND CLEAN UP

7.1 Uniform Colour Application

Leave the whole of this work uniform in colour, at the correct m² rate, free from painting defects, clean and unmarked and to the standard required by following procedures.

7.2 Clean Up

Clean up splashes on metal or concrete immediately. Brushes etc. may be cleaned with water. If product dried use Mineral turps. Part-used cans have a limited life.

7.3 Remove

Remove drop sheets, coverings and masking to leave surrounding surfaces and areas clean, tidy and undamaged. Remove debris, unused materials and elements from the site. Dispose of all materials safely. Do not dispose of any material down stormwater systems. Contact your local council for correct disposal methods.

7.4 Protect

Protect new work from damage. Take all relevant precautions to protect timbers from site work, dust, dirt, aggregate concrete wash, concrete cutting, metal grinding, water blasting, etc.

8.0 DRYDEN HYDRACOAT MAINTENANCE

8.1 Re-application

Annual wash using Dryden Surface Cleaner for exterior timbers.

Re-application of Dryden HydraCoat is required to areas where the surface exhibits signs of colour tone is faded, inability to bead water, principally UV exposed faces (in a less sound condition). This coat may be extended given better quality environmental conditions including shading, e.g. soffits.

We recommend washing of the surface to remove surface contaminants (dust,etc) with Dryden Surface Cleaner and clean water. This should also be done prior to any re-coats of HydraCoat if in good maintenance. If for any reason maintenance has not been kept up and the coating is in poor condition, it should be removed completely and the surface must be thoroughly sanded and then treated as "New timber".

9.0 SELECTIONS

9.1 Dryden HydraCoat Timber Coating.

Pre-Coats: Refer 6.0 or 6.1 Initial Coats

Please note:

9.2 Location

Timber type:

Brand/Product: Dryden HydraCoat

Colour:

Coats: Refer Application 6.0 or 6.1

9.3 Location

Timber type:

Brand/Product: Dryden HydraCoat

Colour:

Coats: Refer Application 6.0 or 6.1

Schedule of paint systems

Area/substrate:

Colour and Code: Dryden HydraCoat

Special Instructions:

Prep: See 5.4, 5.5

1st coat:

2nd coat:

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 Tech sheet and 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

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