



# DynaWood Technical Data Sheet

## A Permanent Wood Primer, Waterproofer & Vapour Proofer

**Product:** DynaWood    **Revised:** July 2014    **Last Updated:** October 2025

---

### Product Overview

Great Performance, Better Value, Best for the Planet. ISO 14001

### Description

DynaCrete® DynaWood has been developed to extend the life of all your wood based products. DynaWood is a water-based, non-toxic, non-flammable product that contains no VOC's and is totally safe to use. DynaWood when applied to permeable wood will produce a layer of silicate impregnated cells, which can breath but will not allow the transmission of moisture, from above or below.

### How does DynaWood Work?

DynWood contains a proprietary catalyst, allowing it to penetrate through the walls of the individual wood cells for 15 - 20 seconds. DynaWood then starts to react with the tannic acids within the cells. An aero-silicate gel forms filling each wood cell. All the resin is pushed out to the surface of the wood, often enhancing its colour. Over the following 72 hours or so, this gel membrane hydrates into an internal, solid, silicate barrier. DynaWood can be applied to any permeable wood surface. Generally, it will not permanently alter the colour or texture of the wood, but as it cures it will push the resins and tannic acids in the cells to the surface. This process does temporarily intensify the colour and grain of the wood. If you wish to maintain this intensified colour, clean the wood surface as required and apply a UVA and UVB reflective clear coat. If the wood treated is to be painted, remove the resins and tannic acids from the surface of the wood as required by the manufacturer of the paint to be used. Once the wood has dried, follow the paint application instructions.

## Advantages

- A Permanent Internal Membrane from a "One-Time" Application
- A limited, LIFETIME, product performance warrantee
- Waterproofs and vapour proofs
- Excellent primer coat for any & all secondary coatings, paints, etc.
- Increases resistance of wood to weathering, abrasion and staining
- Easy to apply, clean with water
- Non-toxic, environmentally and eco-friendly
- Fuses surface wood cells together reducing burring, splinters, splitting
- Your wood and any secondary coatings put on it will last longer

## Uses & Directions for Use

### Uses

- Decks and railings
- Log Homes
- Fence posts, rails and slats
- Window frames and sash
- Siding
- Shingles
- Retaining walls
- Wood to be used in gardens or which will be in contact with the ground and moisture
- wooden boats
- wood to be used in marinas or which will be coming in contact with water on a regular basis
- Anything made of wood where extending the life of the wood and secondary coating is desired

### Surface Preparation

Previously non-treated or, bare wood needs no prior preparation, but must be permeable. Dry surfaces are best. Paint or non-permeable surface treatments must be removed for DynaWood to penetrate and be effective. Remove by scraping or using solvent based chemicals.

### Checking for Permeability

Simply drip some water droplets onto the wood surface which is to be treated with DynaWood. If the water droplets bead up on the surface the surface is still coated with something. If the water droplets are absorbed into the wood then your surface is now permeable. Please Note: This test must be done on as large a portion of the surface as needed.

## Application Equipment

- low pressure (max. 20 to 30 psi) sprayer
- NOTE: Remember, your depth of penetration depends on how much DynaWood you can spray on the surface in that first 15 seconds before it gels!

## Mixing

Do not dilute or mix DynaWood with water or any other liquid. We pre-mix DynaWood to the strength best suited for a one-time application. Note: Shake well before using. This will increase effectiveness.

## Application

Normal applications require only one soaking coat of DynaCrete DynaWood, however, depending on porosity, hardness and moisture content of the wood to be treated the coverage rate of that single, "soaking coat" can vary greatly. I can't over stress here; Apply DynaWood liberally, a heavy, soaking of all sides of the wood until wet and shiny. If the DynaWood is being sucked into the wood as quickly as it is applied, keep applying it until the surface stays wet and shiny. Hose off the entire surface including any puddles remaining on the surface after 10 minutes. If left and allowed to dry, these puddles may leave a slippery scum on the surface. On vertical surfaces: Apply the from the bottom up.

## Curing Time

DynaWood treated wood will cure out in 3 to 7 days depending on the ambient temperature.

## Things to take note of

As soon as the treated surface is dry it may be walked on. It will not harm the treatment to walk on it while it's wet, but you will not want to track the DynaWood onto other surfaces as it may etch/mark them.

## Limitations

DynaWood is a water based material. DynaWood will freeze. If DynaWood freezes in it's container, let it thaw out and shake it well to remix it. Freezing will not adversely effect the performance of the product. Do not apply DynaWood if the surface or ambient temperature is, or will drop below 0 degrees C. during the 3 to 7 days required for curing. If the DynaWood does freeze before it has finished curing the result is the water base is freeze-dried out of the product before it has cured. A re-application will be necessary when it's warmer.

## Caution - Please Note

- DynaWood is not meant to fill or seal visible cracks in wood
- DynaWood will not reflect or inhibit damage caused by UV or UVB rays
- DynaWood will expand if it freezes. Freezing can and will burst containers. Ensure you take the necessary precautions
- Always shake DynaWood well prior to application

## Caution Please Note

Do not apply DynaWood or allow any DynaWood over-spray to come in contact with and dry on glass, glazed surfaces, or aluminium, as etching can occur. In cases of any accidental or incidental contact, and before it dries on the surface in question, an immediate and thorough rinse of the surface with plenty of clean water will remove the wet DynaWood.

## Packaging

- 20 L / 5 US gal pails
- 208 L / 55 US gal drums

## Disclaimer

We believe this information to be true to the best of our knowledge. Our products, are blended to ISO 14001 certified standards, the highest quality control and manufacturing standards in the world. Since no control is exercised over our products use, no warranty, expressed or implied, is made as to their application, the suitability of products for a particular use, or as to the effect of such use. Buyers and users are encouraged to conduct their own small scale tests on the wood to be treated prior to committing to any large scale application.