

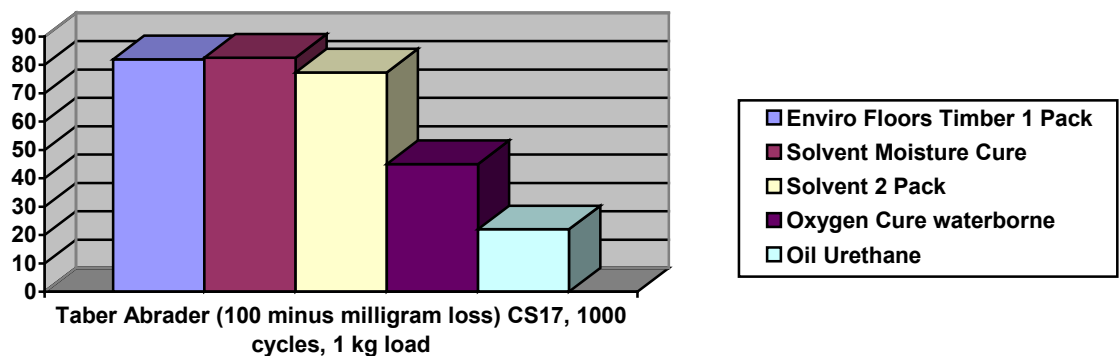
PRODUCT DATA SHEET

Enviro Floors – Timber 1 Pack Non – Toxic Polyurethane

DESCRIPTION:

Enviro Floors Timber 1 pack is the latest technology Oxygen curing, self crosslinking **100% Polyurethane** waterborne coating that exhibits superb edge gluing resistance, transparency, UV yellowing resistance, as well as exceptional abrasion and chemical resistance.

It exhibits very high hardness and exceptional scuff and heel mark resistance.



FEATURES:

- Non-Yellowing
- High film flexibility so can be used on cork.
- Superb Edge Gluing resistance
- Good sandability
- No added crosslinker required as internal cross linking via reaction with oxygen in the air occurs
- Waterborne and non-toxic (Federal Hazardous Substances Act USA)
- High abrasion resistance (Taber result 18 grams for current technology)
- **Can be cross linked with hardener to produce a superb 2 pack (Taber loss only 18 grams for one pack and 12 grams for 2 pack)**
- High film build from viscosity / solids ratio
- Maintains more of a natural timber look
- Roller, brush and applicator applyable
- Resistance to Tannin staining

RECOMMENDED USES

- Commercial - Restaurants, offices, hotels, resorts, retail stores
- Residential - Light and heavy duty requirements including kitchens, rumpus rooms, family rooms, etc.
- Institutional - Schools, nursing homes
- Halls - Church halls, community halls, sports stadiums, multi-use halls

Enviro Floors Timber 1 pack is designed as a 3 coat system when applied at normal film.

For exceptionally severe use commercial requirements, **Enviro Floors Timber 2 pack** is recommended (see Product Data Sheet for 2 Pack).

DIRECTIONS FOR USE

New or bare timber floors

- The timber or cork surface should be finished to a 150 or finer grit smoothness.
- **Enviro Floors Timber 1 pack** can be applied by roller, brush or bar applicator tool.
- Satin containers should be shaken before use to reincorporate any matting agent that may have settled in storage
- Cut in edges with a brush or paint pad. Cutting-in should only be applied ahead of the coating proper, in relation to prevailing weather conditions
- Coat the main floor area in a manner consistent with the type of application tool, i.e. roller or bar applicator pad.

For roller application use an application tray or bucket. A 10 - 12 mm nap quality waterbased type roller cover is recommended to allow for desired film thickness. Finishing strokes in the direction of boards are always desirable where possible to avoid lap marks

For bar applicator pad apply technique, cut edge in with a paint pad or brush.. Pour a 10 cm puddle along the direction of the starting wall. The starting wall should go with a timber direction.

Using a pre-dampened applicator in a 'snow plough' action, spread apply the sealer coat moving the puddle toward the opposite wall. Ensure a wet edge is maintained.

Overlap should be approx. 50 % of the width of the applicator.

At the end of each stroke, turn the applicator to change direction in a smooth action while maintaining contact with the floor. Periodically pad out the applicator to remove any foaming material.

Feather the swirls from change of direction of earlier passes to ensure level surface.

- **Enviro Floors Timber Sealer** may be used as a first coat should lighter colour, reduced cost and maximum edge bonding resistance be desired.
- Abrading of the first coat is not required where coat 2 is applied within 4 hours. Note higher grain raise on grain-reactive timbers such as Tasmanian Oak , Pines and Victorian Ash will occur. Finer fine sanding of timber will minimise the grain raise. Screen or lightly abrade between coats. A worn 180 or finer grit paper or screen back is recommended.
- Do not overscreen as dull spots may 'witness' or 'ghost' through the next applied coat.

SUPERIOR FLOOR COATINGS WHICH LOOK AFTER YOUR HEALTH & ENVIRONMENT

Ph: 07 3293 2020 or Visit our website on coatit.eco

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Seal all windows and doors to have as draught free as possible for the final coat.

Improving Flow & Rejection:

- **Enviro Floors Flow Aid** is for use in improving the flow of any waterborne coating over a surface by reducing the surface tension.
Flow Aid also assists in greatly reducing rejection and the 'quilting effect' between blocks of parquetry or timber boards from the effect of surface tension reduction and flow and wetting enhancement.
- **Enviro Floors Flow Aid**
DIRECTIONS FOR USE:
Add 1 measure (25 ml) per 5 litres of coating material as a basic dosage. A maximum dosage of 100 ml per 5 L can be used in major rejection situations. – however, verify adhesion is OK.
SHAKE WELL BEFORE USE. Failure to shake well can cause 'pitting' of the coated surface.
Note: whatever level is added into a coat, following coats will require that same level of addition.
Overdosing can cause orange peel effect.

Hot Weather Conditions use

- **Enviro Floors Wet Edge Extender** for the use with all waterborne polyurethane and acrylic based top coats and sealers. By the use of a food and cosmetic grade Humectant the water evaporation is slowed so as to enable more working time of the waterborne coating.
- Typically another 5 deg C of working temperature is achieved from the standard dose. The result is that by using Wet Edge Extender coating can be conducted on floors on warm to hot days that would not otherwise be possible.
- Use of Wet Edge Extender does not adversely effect finished coat properties or the time to which normal floor use after coating can occur Completely safe.
The active humectant is commonly used in foodstuffs and cosmetics (eg Cold Creams to keep them wet longer).
- Can be used with all brands of waterborne Polyurethane and Acrylics
Enviro Floors Wet Edge Extender
DIRECTIONS FOR USE:
Add 100 ml per 5 L bottle of Finish.
For very hot days, especially if humidity is very low, 200 ml (2/3 cup) per 5 L
Shake for 30 seconds to incorporate.

Recoating Previously Coated Floors

- **Enviro Floors Timber 1 pack** can be used to recoat floors previously coated with a 100% urethane or a Urethane / Acrylate (Bona, Enviropro, Toby, Polycure, Cabots, Watty) Most solvent borne coatings can be overcoated with Enviro Floors Timber Coatings **but a test area is always required to validate.** Use the cross hatch test or call COATIT Australia for advice.
- Wet scrubbing the floor with a scrubbing pad under the rotary and using **Enviro Floors Recoating Stripper** is required prior to screening with a 150 grade paper or screen back.

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- If the screening indicates the floor is not flat (many old floors are cupped or dished) adhesion of any overcoat can be adversely compromised. Enviro Floors Timber Coatings should only be used on flat floors where full contact screening is realised.
- Coat as per a final coat application per above.

DRYING

- In 'normal' drying conditions of approx. 25 deg C, **Enviro Floors Timber 1 pack** will be dry to take light foot traffic in 10 to 12 hours. Always test to make sure no sock imprint in the coating first.
- Next day use 'with care' of the floor is generally realised.
- Full cure will take typically 3 days

CLEAN-UP

Tools and containers can be cleaned up in water.

A storage canister is recommended for application equipment. Contact COATIT Australia for design details if needed.

PROPERTIES AND DATA

| | | |
|--------------|---|--|
| Ingredients | - | Polyurethane dispersion with performance additives |
| Colour | | Milky white when wet, clear thin film when dry |
| Odour | - | Slightly sweet and non offending |
| Density | - | 1.04 S.G. |
| Application | - | Roller, brush or bar applicator tool |
| Flammability | - | non flammable |
| Stability | - | 12 months in unopened containers |
| Solids | - | 34.0 % |
| Viscosity | - | 20 secs #4 Ford Cup @ 25 deg C |
| Defoaming | - | Excellent |
| Coverage | - | 10 to 14 sq. m. per L dependent on technique |
| Rejection | - | Excellent resistance |
| Safety | - | Extremely safe to use; refer Safety Data Sheet available upon request on 07 3293 2020 Hotline |
| Packaging | - | 1,5 and 20 litre recyclable Polyethylene bottles |

For further information on Toxicology of Surface Coatings, please do not hesitate to contact:

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