

## **Overcoating of Floating Floor Systems With Enviropro Non-Toxic Polyurethanes**

### **Why Overcoat Floating Floors with Enviropro Polyurethane ?**

- Improved surface aesthetics ( eg provide for a gloss, semi gloss or satin option as most floating floors come from the manufacturer only in a matt finish )
- Provide for a sacrificial coating to protect the more expensive floating floor installation.
- Virtually no dust 'pimples' in the coating compared to solventborne Polyurethanes
- Non-toxic compared to isocyanate solventborne Polyurethanes
- An Enviropro 100% Polyurethane coat is easier and less expensive to apply and maintain than a non-overcoated floating floor installation that might get damaged and need replacing
- Some gap filling to assist moisture penetration resistance
- Reduce 'lippings' and 'panelisation' that can occur with time

### **Validation of Coating Adhesion – A Free Enviropro Service !**

- Because of lot-to-lot variations that have been noted with floating floors, as well as major formulation changes of the factory applied coating on a brand, **validation testing is considered essential on every installation. Unless Enviropro is validated as OK for that particular installation by ASWC, no performance claim will be entered into.**
- Mail at least one envelope sized piece of the floating floor to ASWC Enviropro at the address at the end of this Technical Bulletin.
- We will test the adhesion of the recommended Enviropro product on this piece and advise the sender in writing within 48 hours of the adhesion confirmation test.
- We will retain the sample for future reference.

For existing installations, we recommend test patches be conducted at a rate of one per 15 sq. m using the intended floor preparation technique. Use the cross hatch and coin edge tests. Consult the Enviropro Technical Bulletin "Recoating Previously Coated Floors" for test detail or contact the Enviropro 24 hour Customer Service hot line on 0414 793 237.

### **Installation Care**

- Install per manufacturers instruction giving special attention to the perimeter expansion gap.
- Avoid dragging boards or tools over the surfaces during installation as this may cause scuff or indentation marks, which may still be visible after the **Enviropro** overcoating process.

### **Surface Cleaning**

- Ensure the installed surface is free from oils, grease, food and beverage deposits, or other contamination.
- Damp mop floor with **Enviropro Squeaky Clean** at two measures per 1 /2 mop bucket of luke warm or cold water. Repeat if necessary to remove any visibly adhering material.
- Ensure no soiling of the floor by footwear. Clean lint free cotton socks are recommended for installer / finishers.

## Gap Filling

- The Floating Floor supplier should advise on filler types to be used with their product. The coating contractor should verify filler colour with the Enviropro coating prior to use.

## Light Sanding

- To assist the coating keying, a light sanding is recommended. Lightly abrade the surface with a 250 or finer abrasive paper.
- Two way vacuum the floor.
- Remove any dust with a clean damp cotton rag. The electrostatic effect of a floating floor is high and buffing dust can be more difficult to remove, especially in low humidity conditions.

## When No Surface Sanding Is Desired

Most new installations that feature a factory finished UV Urethane Acrylate coating system are effectively coated with recommended Enviropro coatings below.

The Enviropro validation process is essential to confirm in case the product surface has changed.

Existing installations are not recommended for coating without surface abrasion due to the higher risk of surface contamination from the use of the floor.

## Which Enviropro Coating To Use ?

The two coatings recommended are Endure 2 pack and Ultra Ezi

The following table may assist in selection.

Product	Endure 2 Pack	Ultra Ezi
Composition	100% Polyurethane 2 pack	100% Polyurethane one pack oxygen cure
Adhesion development	Typical 12 hours	Typical 4 hours
Walk on with care	24 hours	12 hours
Normal use	2 days	24 hours
Sheen levels	Gloss and satin	Gloss and satin
Flow and levelling	Good – can get slight roller stipple effect	Superior smooth finishes
Durability	Superb - As good as it gets	Good
Flexibility	Very Good	More brittle, high vertical floor movement can cause fracture between boards.
Colour	Clear, U.V. stable non-yellowing	Light amber colour. Will yellow slightly with time.

## Applying the Enviropro Coating

- Before commencement determine coating plan, i.e the sequence of area coating and the exit point from the premises.
- Ensure all windows and doors are closed
- Ensure adequate coating materials. Coverage should be approx. 12 sq. m. per Litre
- Place a plastic sheet at the premises exit to protect the outside surface from drips or spills of the coating.
- Cut-in edges with paint pad or brush. In warm weather do not cut-in more than 2 metres ahead of the coating.

- Apply the coating with a 10 mm nap roller or pad applicator with finishing strokes in the direction of the timber. Apply a second coat in high traffic situations, lightly sanding and vacuuming the previous coat after letting dry for 2 – 4 hours, temperature dependent.
- The pad applicator can be used by employing a drag method along the board direction. No stipple effect is induced by this method.
- Wash out tools in water.

## Dry Times – A Guide Only (humidity and temperature can influence)

Room Temperature Deg C	Walk on in socks	Normal use - Move heavy furniture in
10	1 - 2 days	4 - 5 days
15	1 - 2 days	4 days
20	1 day	2 - 3 days
25	12 hours	1 - 2 days
30	8 hours	1 day

Heating the premises after coating can be considered if early occupancy or use is desired.

## Cautionary Notes

- Excessive abrasion of the floating floor or uneven application of coatings can lead to gloss variations in the overcoating
- Too coarse or uneven a light abrasion can create 'swirl' marks that may 'witness' or 'ghost' through into the final coating. These may be more obvious under high focus down lights.

## Disclaimer

Australian Specialty Waterborne Coatings Pty Ltd (ASWC) will advise in good faith the performance of the Enviropro coatings on the test samples provided.

Due to the possibility that the sample may not be truly representative of all planks in the installation, surfaces may be contaminated, no control over the degree of abrasion of the floating floor surface, spillages or other materials that may have contacted the floor, floor movement, the means and techniques of the coatings application, ASWC offers no specific warranty expressed or implied re the performance of the overcoated installation. The responsibility for the overcoated installation rests with the party requesting or conducting the overcoating work and not the manufacturer of Enviropro coatings.

This technical bulletin is supplied by ASWC to all parties that advise ASWC they intend to coat a floating floor.

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For further information contact the only 7 day, 24 hour hot line in the industry;

**0414 793 237**

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