

# WOOD PLASTIC COMPOSITE (WPC)

## REFRESH

**WPC Refresh** is a solvent based UV resistant stain designed for use on all internal and external first generation Wood Plastic Composite surfaces. **WPC Refresh** exhibits excellent application properties delivering natural looking colours with excellent transparency and light fastness.

- **Product:** **WPC Refresh** exterior stain
- **Product Code** CTMR-XXX  
(Three figure suffix denotes colour and size)
- **Standard Colours:** Can be tinted to most composite stain colours.
- **Thinning:** Ready for Use. No thinning required.
- **Drying Time** 2 – 4 hours at ambient temperature of 25° C with good ventilation.  
**Note** drying times will be lengthened at low temperatures, high humidity >70%, poor air flow and excessive film builds.
- **Recoat Time** Topcoat may be applied after sufficient drying time has been allowed, minimum 2hrs.
- **Specific Gravity** 0.90 – 1.00 kg/lit
- **Container Size** 1lt, 2lt, 4lt,
- **Exterior Durability** Excellent (must be top coated with **WPC Sealer**)

**Uses:** **WPC Refresh** is a universal stain/colour system developed for use specifically on Wood Plastic Composites to produce a natural light fast transparent look. Not suited for use on second generation polymer capped composites. **WPC Refresh** has excellent light fastness and is resistant to fading when exposed to sunlight.

## APPLICATION

### Wood Plastic Composite Staining Procedure

#### Surface Preparation

Ensure surface is free from dirt and grease, thoroughly pre-wet the composite wood surface with fresh water and proceed to wash with **WPC Clean** as per application instructions. Completely rinse off any residues from the surface using clean water and allow to completely dry. Inspect the surface for cleanliness. This process may need to be repeated in order to remove stubborn grease or oil stains for stubborn areas. Once the composite wood substrate has been cleaned to satisfaction and has completely dried out, it is ready for the coating process.

#### Wood Plastic Composite Stain & Coating Process

**Application Equipment:** Lamb's wool applicator, cotton rag, brush

##### Wipe on

**1<sup>st</sup>** Wipe on **WPC Refresh** with rag, brush or Lambswool applicator ensuring stain is worked evenly into the composite substrate. Small sections can be brushed and wiped evenly with a cotton rag, do not allow the **WPC Refresh** to quickly dry as this will leave a blotchy finish. In the event of **WPC Refresh** drying too fast, re apply and immediately wipe even. Work 3 full lengths of board at a time until completed, Wipe off excess stain evenly using clean cotton cloth or dry lambswool applicator, ensuring all streaks or blotches of wet or damp stain are removed. Work over area to ensure colour has been applied evenly. Any footprints, uneven patches or missed areas can be rectified simply by reapplying **WPC Refresh** over the affected area and immediately wiped clean. Allow penetration of stain for approximately 3 – 6 min before removal of any excess Refresh, this should allow ample working time.

Drying time will be dependent on the condition of the composite and hence the rate and amount of **WPC Refresh** absorption. Allow at least 2 - 4 hours drying, if surface is still damp or overly strong in solvent odour, allow to dry overnight.

##### Top Coat Seal (refer to application instructions on can)

**2<sup>nd</sup>** Apply **WPC Sealer Matt or Gloss** top coat and allow drying for 1 - 2 hrs. Follow application instructions. Apply as a thin coat not allowing **WPC Sealer** to pool on the surface.

**3<sup>rd</sup>** Apply a second coat of **WPC Sealer**

**4<sup>th</sup>** If required apply a third and final coat of **WPC Sealer** depending on geographical location and UV exposure.

## Maintenance

The performance and durability of your composite is ultimately dependent on the degree of exposure to the elements of weather, foot traffic, dirt retention, microbial growth food stains etc. Heavy foot traffic areas exposed to direct sunlight and rain will show obvious signs of wear quicker than shaded, light traffic areas. Early signs of algal or fungal growth, food/oil and water stains must be cleaned up as soon as practicable to prevent further microbial attack and deterioration. Routine cleaning every three months with **Composite Clean** keeping the surface free from tree sap, dirt, algal, mould or tannin stains will extend the appearance and life of your composite structures. (Refer to relevant Labels or data sheets)

It is recommended that all composite structures be checked every 12-24 months for signs of deterioration and if there is early signs of weathering, excessive contamination from tree sap or signs of algal/fungal growth this should be attended to as soon as practicable with an easy cleaning process using **Composite Clean** (refer to data sheets or labels) and if required, a maintenance coat of **WPC Sealer** be applied.

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