



CCM Wood Enhance Clear – Data Sheet

Description:

CCM Wood Enhance Clear is a premium, single pack, water-based varnish. It is an extremely tough, mar resistant, clear finish specifically designed for premium commercial and residential timber floors along with walls, doors, windows, trims and wood furniture coatings. CCM Wood Enhance clear has superb resistance to water, dilute alkalis and acids, alcohol, household cleaners and organic solvents.

Physical Properties

Resin Type:	Self crosslinking wood and timber grade acrylic.
Solvent:	Water
Colour:	Clear dry film
Finish:	Available in Gloss & Low Sheen.
Drying time:	1.5 hours @ 18°C
Recoat time:	2 hours @ 18°C
Dry Film Thickness:	75µ DFT 3 to 4 coats
No. of coats:	3 to 4 coats to achieve uniform finish
Theoretical Coverage:	12m ² @ 25µ DFT depending on porosity of surface.
Sealer Needed:	Yes, Wood Enhance Clear Gloss 2 coats.
Thinning & Cleaning:	Water approx. 5%, cleanup with water.

Key Features

- Low odour varnish will ensure a pleasant working environment during application and while drying.
- Rapid cure: can apply multiple coats in a day
- Superior abrasion, wear and mar resistance for outstanding durability
- Excellent flexibility and impact resistance
- Excellent mechanical properties
- Excellent water white transparency in clear coats
- Excellent stain and chemical resistance
- Excellent sandability
- Good early water resistance
- Good block resistance
- Water wash up
- High Black Heal Mark Resistance (BHMR)

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Applications

Wood Enhance Clear is intended for both the DIY market and for professional contractor-applied, one- component finishes for commercial and residential hardwood floors, sports floors, wood furniture and paneling.

Timber Floors: Surface preparation & Application

Wooden surfaces should be thoroughly cleaned to be free of oil and other contaminants. Coarse sand the floor as appropriate and finish sand before sealing using 120 grit non-lubricated sandpaper.

Vacuum the sanded surface to remove bulk dust and then finally clean using tack rags to remove all fines. Seal the prepared surface with two coats of Wood Enhance Clear in gloss finish, allowing 1 to 2 hours between coats. After approximately 3 hours, sand the floor with 220 grit non-lubricated sandpaper or equivalent grade Scotchbrite® pad.

The floor is now ready for finish coating with one or two further coats of varnish. If a satin finish is required, it is recommended that only the final coat (maximum 2 final coats) is comprised of satin finish.

If conditions are hot or draughty making 'wet-edge' a problem, then a small quantity of additional retarder thinner can be mixed into it.

Notes

Do not apply heavy coats of varnish. Multiple thin coats (25 microns) will give superior drying and superior performance in service. Apply 3 even coats, sanding lightly between the 1st and 2nd coats. Subsequent coats will result in a higher gloss level and film build.

No matter what the desired final gloss level it is recommended that gloss varnish is used for thesealer coat. If a satin finish is required then the final coat (or maximum two coats) should be the only ones that are comprised of satin finish.

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Performance Paint Systems

Ensure that the varnish is applied evenly and always finish with strokes along the grain. Do not apply excessively heavy coats.

Under normal drying conditions (20°C / 50% humidity) the coating will usually be touch dry in approximately 45 minutes. Allow a minimum of 3 hours cure time between coats. Longer times may be required in cold and or humid conditions. Drying time will be affected by temperature, humidity and film thickness.

Avoid placing rugs or mats on freshly applied varnish. Allow the varnish to cure first for 5 – 7 days.

Application Equipment

Aqua Clear is best applied using medium density closed cell foam pads or foam brushes. Do not apply by roller. Large floor areas can be coated using a soft-bladed rubber squeegee or lamb's wool applicator.

Avoid high film thicknesses. Multiple thin films will yield a superior finish. Because the varnish has 'rapid cure' qualities it is recommended that brushes and pads are regularly rinsed off with fresh water. Clean brushes and applicator equipment immediately after use with warm soapy water

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