



Protect & Enhance Your Wood...



Technical Data Sheet MicroShield - Wood

WoodPlus Coatings Group Ltd.

12-1064 Salk Rd., Suite 233

Pickering, Ontario, Canada L1W 4B5

Bus.: (905) 729-3476

DESCRIPTION

WoodPlus™ Microshield is a 100% acrylic non-film-forming translucent coating designed for use on exterior and interior wood surfaces. This non-hazardous, odourless and low emissions (<5g/L VOC) product is FREE from solvents, formaldehyde and APEO-FREE (alkylphenol ethoxylates). The product is specially formulated using nanolatex technology for deep penetration into the wood. The translucent finish provides for full wood grain visibility, optimal UV protection and an exceptional barrier against excess moisture uptake from the elements.

RECOMMENDED USES

Can only be used on raw or bare wood. Ideal for application on any wood substrate including high density exotic wood (including bamboo), exterior and interior wood surfaces, siding, log homes, sheds, park benches, garden furniture, etc. Clear base must be tinted for exterior use. However, the clear base can be used for interior application or as a top coat on itself for exterior wood surfaces already tinted. Product can be top coated with WoodPlus™ Ultra 10™ for a film-forming finish if desired.

AVAILABLE COLOURS: Bases: Clear satin 000 and Natural 100 – Can be tinted with universal colorants



PRODUCT CHARACTERISTICS

- Superior adhesion & penetration
- Outstanding UV protection
- Excellent physical wear characteristics
- Self-priming, water reducible
- Easy application, quick drying
- Excellent water repellency
- Breathable finish
- Excellent colour retention
- Warm water cleanup
- Excellent penetration properties
- Mold & Mildew resistant

TECHNICAL DATA

- Colour: Clear liquid
- Odour: Odourless
- Solids: 31 +/- 1% by weight
- Weight/g: 10.48 lb/gal
- Flashpoint: N/A
- VOC content: < 5 g/L
- Gloss level: 20 G.U.
- Viscosity: 100 cpu

SURFACE PREPARATION INSTRUCTIONS

- Wood must be clean and dry (less than 19% moisture content).
- Remove all traces of dirt, wax, grease, mildew, etc.
- New smooth wood must be sanded with 60-80 grit sandpaper to remove mill glaze.
- Remove all sanding dust prior to application.

Updated: 27 April 2026



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APPLICATION INSTRUCTIONS

ONE OR TWO COATS (wood siding, log homes, decks etc.).

Note: The number of coats will depend on the actual density of the wood substrate. If after applying a first generous coat of the product you notice that some product is pooling on top of the wood, it indicates that the wood has been completely saturated and will not require a second coat. Simply back brush the areas where pooling has occurred to ensure a uniform finish.

- Product is ready to use. Do not thin.
- Stir thoroughly before and during use.
- Apply with good quality 4" bristle brush.
- Apply 1 or 2 coats (3-4 hrs between coats).
- DO NOT apply in direct sunlight or when surface is hot.
- Temperature must be above 10°C and not more than 30°C.
- Apply in the direction of the grain, one full board at a time.
- Maintain a wet edge and saturate all end cuts.
- DO NOT apply in wet weather or when inclement weather is imminent.
- DO NOT apply when rain is expected within 24 hours.

COVERAGE

Type of wood surface	First coat	Second Coat
Smooth surface	200-250 ft ² /gal (20-25m ² /3.78L)	200-250 ft ² /gal (20-25m ² /3.78L)
Rough/textured surface	150-200 ft ² /gal (15-20m ² /3.78L)	200-250 ft ² /gal (20-25m ² /3.78L)

Note: The above coverage is approximate and may vary due to surface porosity of the substrate.

DRY TIME: To the touch (1 hour) – Recoat (2-4 hours)

MAINTENANCE

- Keep surfaces clean by periodic washing with water and a soft brush to remove dirt and airborne pollutants.
- **DO NOT** use chemical strippers or cleaners.
- Before applying a maintenance coat, clean surface with non-chemical cleaner.
- Inspect surfaces on a regular basis to identify and repair damaged areas (wood cracks, splits, loose or rotten boards, etc.) in order to prevent further deterioration.
- **DO NOT** use snow blowers, metal shovels or pressure washers on deck surfaces as these will damage the coating.
- Apply a maintenance coat as needed.

CLEANUP: Warm soapy water.

AVAILABLE CONTAINER SIZES

1 gallon (3.78L), 5 gallons (18.79L)

*Drums (200L) and Totes (1000L) industrial only.

WARRANTY

This product will give full satisfaction if applied according to the manufacturer's instructions. Manufacturer's liability is limited to the replacement of the product and does not include manpower if found defective upon inspection.

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