



Medium Density Wood Filler

General purpose interior / exterior filling compound



MEDIUM DENSITY WOOD FILLER is an all-purpose premium filler designed primarily for filling of defects and nail holes in timber substrates. Formulated for smooth application and easy sanding.

Quick facts:

- Density : 1.45g/cm³
- Solid Content : 77% by weight
- Very smooth consistency – easy to spread.
- Water based.
- Available in 500ml, 1ltr, and 4ltr.
- Curing time 1 hour at 20°
- Application temperature range 5°C to 40°C
- Paint with acrylic or oil-based systems.
- Non-shrink – expands slightly as it cures.
- Easy sanding and fairing.

Uses:

Medium Density Wood Filler has been primarily designed for filling nail holes, cracks and joints on interior timber architraves and frames. Can also be used on a variety of other exterior substrates including timber, fibre cement, primed plastics, primed fibreglass, and primed metals.

Substrate Preparation:

- **General guidelines for all substrate types:**
 1. Ensure substrates and holes are clean and moisture free.
 2. Where friability of the substrate or egress of contaminants is a concern, prime holes prior to application of Medium Density Wood Filler with a specialized penetrating binding sealer.
 3. Prime textured surfaces prior to application of Medium Density Wood Filler to help minimize unintentional filling of texture around the holes.
- **Timber, Particleboard & MDF:** Where moisture ingress or efficacy of timber treatments is a concern pre-priming inside the holes with a specialized wood primer offers increased protection against timber decay, contaminant leaching, and corrosion of fixings.
- **Fibre cement boards & panels:** Where moisture ingress is a concern pre-priming inside the holes with a specialized penetrating sealer offers increased protection against permeability, contaminant leaching, and corrosion of fixings.
- **Metals:** Degrease surfaces if necessary. Use an abrasive cleaning method such as blasting, sanding, grinding, wire brushing, etching etc to provide a clean bright surface and apply specialized primer.
- **Fibreglass & GRP:** Degrease and cross hatch sand with 60-100 grit paper. Polyester must be fully cured. Take special care to remove any surface wax. Remove sanding dust and apply specialized primer.

These guidelines are generic in nature and are to be read in conjunction with and are in no way intended to replace or amend substrate manufacturers guidelines but are intended for the sole purpose of achieving optimal performance of Boss Fillers products. Online Paints accepts no responsibility for any failure resulting from any deviation from substrate manufacturers recommendations.

Application:

Remove a small quantity from the pot and replace the lid quickly. Ensure an airtight seal is maintained when not in use. Blending with a very small quantity of water from time to time can be advantageous on hot days or when applying over highly absorbent substrates, but excessive water content will result in a slower cure, shrinkage, and lower physical strengths. Apply immediately to the clean, prepared substrate. In deeper cavities apply filler in layers of up to 6mm thick and allow to harden before applying successive layers. Wait for full cure before sanding. Apply primer and 2 topcoats of quality acrylic or oil-based paints at a minimum dry film build of 25 microns per coat.

Painting:

After sanding check that any pre-applied primers have not been removed and reapply if necessary. Apply a quality paint system appropriate to the substrate as per the paint manufacturers specifications.

Limitations and Recommendations:

- **Humidity and rain.** Product remains water soluble until cured and will not perform well under humid or wet conditions. Once cured the product will resist moisture ingress but should be sealed with a quality paint system as soon as practicable. Not suitable for use in areas of permanent or regular standing water. Must be sealed with a quality paint system in outdoor environments as soon as practicable to ensure minimal moisture ingress.
- **Not recommended as an exterior skim coat.** Entrapment of moisture and other extractives from subsequent coats of paint may cause delamination or dissolution when the filler is applied very thinly, particularly when applied over oil based exterior primers. Delamination or dissolution may not become apparent until after rain. A test patch is recommended prior to use. If in doubt, use UltraPoxy as an alternative exterior filler.
- **Substrate temperature must be considered.** Even when the atmosphere is warm, the substrate may remain cold, particularly in shaded areas. Cold substrates will extend cure time or may halt it altogether. Application under 6 degrees is not recommended.
- **May not be suitable for use with paint colours darker than LRV45%.** Check the substrate manufacturers specification before deciding on colours. As a rule, colours darker than LRV45% are not recommended on timber substrates. Substrates painted with colours darker than the substrate's recommended LRV limit may warp or expand, causing distortion or popping of the filler.
- **Wait until fully cured before painting.** Wet paint will soften or dissolve the product prior to full cure.

Precautions:

- Do not store in direct sunlight or near other sources of heat.
- Rinse eyes with water and wash skin with soap and water.
- Ensure adequate ventilation and use a respirator and safety glasses when sanding. Do not breath sanding dust.
- Keep out of reach of children.

Disclaimer: This specification has been prepared in good faith and is based upon accumulative field experience and may be updated from time to time. In no way will Online Paints Ltd accept responsibility for poor performance or failures of its products due to any negligence, incorrect application or poor trade practice; nor of any substrate or paint system used in conjunction with its products. Online Paints Ltd recommends testing of its products before use to determine suitability and will not be held accountable beyond the value of the product purchase price for any failure or loss arising from incorrect or untested use of its products. **Application of products constitutes acceptance of responsibility by the user.**

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