

DM307

Care E1 Acid Catalysing Clear Multicoat

DESCRIPTION & USES Two-component acid catalysed coating (amino-alkyd) for the wetting treatment of most types of wood. DM307 is formulated with low formaldehyde binders and low toxicity solvents to reduce risks with usage (contains NO aromatic hydrocarbons or Butanol). This high build clear has been tried, tested and continues to perform, providing a tough, durable (but flexible) surface that stands the test of time. DM307 is a multi-coat product meaning it is suitable to seal and topcoat with and its quick drying properties make the lacquer extremely suitable for high-speed production lines. For protection against colour change of the timber substrate (caused by UV/sun light), a UV prohibitor* can be added to DM307 before application (*refer TD sheet on XT170-AC*).

Recommended Application:

For use as a multicoat or as a topcoat over FF810. Furniture, joinery, shop-fitting, wardrobe & kitchen doors, commercial interiors.
N.B Not recommended for use on wet areas (i.e kitchen benchtops, vanity tops etc)

DRY FILM PROPERTIES

Colour: Clear
Gloss: 5%, 10%, 25%, 30%, 40%, 60%

WET PROPERTIES

Solid content: 44% (approx)
Viscosity in drum: 120-130 seconds Ford Cup 4 @ 20°C
Shelf life: 12 months in sealed containers

APPLICATION

Method: Spraying conventional, curtain coating, roller coating
Mixing Ratio: 10 parts DM307 to 1 part DV311 hardner
Thinning: DT8900 or BECKER22 or THIN2221 at 25-35%
(Depending on type of equipment used)
In hot/humid/rainy conditions NT573 can be added
Pot Life: 3 days (approx)
Drying: 4-6 hours at 20°C or 30-40 minutes at 70°C

NOTES

UV Prohibitor should also be added to the sealer if used (e.g. FF810)

We recommend using a polyurethane sealer when coating Beech & Tasmanian Blackwood. Contact us for further information.

FOR INDUSTRIAL USE ONLY Data shown are mean values and cannot be construed as product specifications. Users are advised to make their own tests to determine the suitability of products for their own purposes.

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RECOMMENDED APPLICATION PROCEDURE FOR DM307 CARE (LOW TOXIC) CLEAR LACQUER

Mix the lacquer **DM307** and the Hardener **DV311** at **10:1** Ratio as described on the label. The low toxic thinner (DT8900) will need to be added to approximately 25-30% to bring the lacquer to a spraying viscosity of 20-25 seconds.

Sand the surface with 120-180 Grit paper.

Apply medium to heavy full wet coat to the surface so as to allow the lacquer to float, partly filling the grain and therefore achieve a good sealing effect. The flash-off will be 2-4 minutes at 20°C and any extra heat provided after flash-off would be an advantage.

Total cure out of the sealing coat is 8 hours at 20°C and therefore if this time is surpassed then the best results can be achieved. Any heat added will considerably reduce this time. The sealer will sand at it's best if total cure out is achieved.

Sand the surface with 280-320 grit paper and apply a medium to heavy, full wet finish coat. The lacquer when applied may look slightly uneven (textured) and because of the floating nature of the product, should float to a smooth flat finish. If this does not settle to a flat finish within four minutes then the viscosity may require to be reduced by adding a small amount of extra solvent.

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