

Cabot's Exterior Varnish Stain Gloss on New Timber [Exterior]

AU_SD13473

Substrate And Substrate Preparation	
Substrate Notes:	<p>SUBSTRATE DESCRIPTION</p> <p>NEW TIMBER New timber items should be delivered in a clean dry condition, just prior to installation. The timber should be inspected for physical defects, such as splinters, cracks, woolly grain, machine marks, and knot holes and also for other defects such as sap and tannin stains, and resin exudation from knots. Examine surfaces for wax or preservatives. Moisture content should be close to equilibrium, usually 10-17% for satisfactory staining or coating. Timber should be stored out of the weather before painting. Timber left exposed to the weather for as little as one month prior to painting will suffer from reduced paint adhesion and durability.</p> <p>AGED TIMBER Old timber surfaces should be inspected for dry rot, mould or fungus, excessive water content, grey and weathered timber, grain cracking, resins, stains, old unsound paint, dirt and any surface contamination. These defects should be rectified prior to painting.</p> <p>TANNIN RICH TIMBER Tannins are water-soluble compounds present in some timbers such as meranti, merbau, kwila, western red cedar and tallowwood. These tannins are leached out by water or moisture and can cause staining of surrounding areas. They are seen as dark coloured stains either under or within a coating. Tannin staining is most obvious in light coloured coatings, such as whites. Darker and wood-toned colours hide the tannin stains best. When using light colours on tannin rich timbers, an appropriate primer should be used to seal the tannins in the wood.</p> <p>MANUFACTURED HARDBOARD These products are manufactured as smooth sheets consisting of wood fibres bound with either natural lignin or a small percentage of phenolic resin. Hardboard is widely used as interior panelling but is vulnerable to moisture and therefore not suitable for exterior exposure or in high condensation conditions. Repairing damaged hardboard is not generally practical and it is advisable to completely replace any damaged sections. These products are manufactured from timber fibre bound with thermosetting phenol formaldehyde resin. They contain wax which may inhibit the drying of solvent based alkyd enamels and tannins which may bleed through water based coatings. As manufactured the smooth surfaces provide an ideal surface for finishing but machined edges are more porous and may show fibre raising when primed.</p>
Substrate Preparation Notes:	<p>ASSESS SUITABILITY Ensure the wood is thoroughly clean and dry before commencing. If there is any doubt, measure moisture content which must be between 10-17% before staining or finishing can commence.</p> <p>REMOVE SURFACE CONTAMINANTS Examine the surface for the presence of sap, grease, oil, wax, tannin, building marks, or other contaminants. Scrape off and remove residual contaminants by solvent cleaning. Use scraper to remove dirt and mortar splashes. Any greyed wood fibres on aged timbers need to be removed by sanding and / or suitable chemical wood cleaner. CLEAN Clean to remove all dirt, dust and all other surface contaminants by using a suitable cleaning agent and rinse off with clean water. Treat mould with a suitable mould treatment.</p> <p>REPAIR SURFACE IMPERFECTIONS Fill nail holes, cracks and other defects with a suitable wood filler and allow to dry thoroughly.</p> <p>SANDING Sand dressed timber with fine sandpaper in direction of the grain and along the full length of the board. Round off all sharp edges to a minimum of 2 mm radius in order to achieve an even film build and uniform paint coverage.</p>

Coating System Summary	
1st Coat:	AUDW0663: Cabot's Exterior Varnish Stain Gloss
2nd Coat:	AUDW0663: Cabot's Exterior Varnish Stain Gloss
3rd Coat:	AUDW0663: Cabot's Exterior Varnish Stain Gloss
Please refer to the coating system details below	

Coating System			
Coat Type:	1st Coat	Datasheet:	AUDW0663 Cabot's Exterior Varnish Stain Gloss
Application Methods:	  Air Spray Brush		
	Min	Max	Recommended
Theoretical Spread Rate *			12
Wet Film Per Coat (microns)			84
Dry Film Per Coat (microns)			31
Recoat Time **	2 hours		
Coating Application Details:	Stir thoroughly with a broad flat paddle before and during use. Apply liberally along the full length of the board including exposed edges and end grain by brush. The initial milky colour helps with even product application, drying to a semi-transparent finish. Apply three coats, allowing a minimum of 2 hours drying between coats. Leave doors and windows ajar while drying to avoid sticking. Avoid surface contact for several days to allow full curing. MAINTENANCE Regular inspection of all coated surfaces is recommended. When recoating aged Exterior Varnish Stain, if in good condition, lightly sand and clean surfaces, then apply one or more additional coats. If the coating is in poor condition, thoroughly strip off the existing coating and prepare as for new bare timber.		
Coat Type:	2nd Coat	Datasheet:	AUDW0663 Cabot's Exterior Varnish Stain Gloss
Application Methods:	  Air Spray Brush		
	Min	Max	Recommended
Theoretical Spread Rate *			12
Wet Film Per Coat (microns)			84
Dry Film Per Coat (microns)			31
Recoat Time **	2 hours		
Coating Application Details:	Stir thoroughly with a broad flat paddle before and during use. Apply liberally along the full length of the board including exposed edges and end grain by brush. The initial milky colour helps with even product application, drying to a semi-transparent finish. Apply three coats, allowing a minimum of 2 hours drying between coats. Leave doors and windows ajar while drying to avoid sticking. Avoid surface contact for several days to allow full curing. MAINTENANCE Regular inspection of all coated surfaces is recommended. When recoating aged Exterior Varnish Stain, if in good condition, lightly sand and clean surfaces, then apply one or more additional coats. If the coating is in poor condition, thoroughly strip off the existing coating and prepare as for new bare timber.		
Coat Type:	3rd Coat	Datasheet:	AUDW0663 Cabot's Exterior Varnish Stain Gloss
Application Methods:	  Air Spray Brush		
	Min	Max	Recommended
Theoretical Spread Rate *			12
Wet Film Per Coat (microns)			84
Dry Film Per Coat (microns)			31
Recoat Time **	2 hours		
Coating Application Details:	Stir thoroughly with a broad flat paddle before and during use. Apply liberally along the full length of the board including exposed edges and end grain by brush. The initial milky colour helps with even product application, drying to a semi-transparent finish. Apply three coats, allowing a minimum of 2 hours drying between coats. Leave doors and windows ajar while drying to avoid sticking. Avoid surface contact for several days to allow full curing. MAINTENANCE Regular inspection of all coated surfaces is recommended. When recoating aged Exterior Varnish Stain, if in good condition, lightly sand and clean surfaces, then apply one or more additional coats. If the coating is in poor condition, thoroughly strip off the existing coating and prepare as for new bare timber.		
Coating System Notes:	* Practical Spreading Rate will vary from the quoted Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness. ** Recoat times are quotes for 25°C and 50% relative humidity, these may vary under different conditions.		

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The data provided within the Duspec system is correct at the time of publication, however it is the responsibility of those using this information to check that it is current prior to specifying or using any of these coating/product systems.

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DuluxGroup (Australia) Pty Ltd 1956 Dandenong Road, Clayton, Victoria 3168 AU ABN 67 000 049 427