

Product Data Sheet

651-(1)-04/14



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651 Floor-thane

USE

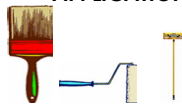


THINNER/CLEAN



XT Thinners

APPLICATION



RE-COAT



4 - 6 Hrs

HAZARD



651 Floor-thane is a single-pack urethane pre-polymer which cures (dries) by reaction with the ambient moisture present in the atmosphere. 651 Floor-thane possesses properties previously available only in catalysed systems. Its abrasion resistance is in fact superior to two-pack floor coating systems. For interior use only.

USES: 651 Floor-thane is designed for use on timber, cork, concrete and particle board floors. 651 Floor-thane is also suitable for use on timber benches and bar tops, as its high degree of flexibility resists chipping or scratching.

GLOSS LEVEL: 651 Floor-thane is supplied standard as a gloss finish. For a semi-gloss finish 650 Flattening Medium may be added at a rate of 400 grams per 4 litre of 651 Floor-thane. Add sufficient flattening medium for each coat just before application, as pot life of 651 Floor-thane is extremely limited once mixed. **NOTE:** 651 Floor-thane is slightly less durable in its semi-gloss form. Avoid using solvent based cleaners when maintaining 651 Floor-thane Semi-Gloss.

NUMBER OF COATS: Three coats are recommended for uncoated floors. The first coat should be thinned with 30% 674 XT-120 Thinners.

COLOUR: Clear light honey colour. 651 Floor-thane appears almost colourless when applied to timber and will darken slightly as it ages. 651 Floor-thane can be **coloured** by intermixing with up to 5% Feast Watson Proofint. Only tint sufficient 651 Floor-thane for each coat, as once tinted, pot life of 651 Floor-thane is limited.

LIMED FINISH: 651 Floor-thane is also available in a white or coloured transparent limed finish. The liming colour is supplied in a separate can and is mixed with the 651 Floor-thane just before use.

SURFACE PREPARATION:

OLD TIMBER AND CORK SURFACES: Remove oil, grease, lint, wax, dirt, dust etc. by washing and scrubbing (as required) with 684 Superwash (formerly Floor Clean). After rinsing, allow surface to dry thoroughly for 2-3 days. For best results any floor that has previously been coated and the type of coating is not known, should be sanded back to the original surface, and then treated as a new floor. Alternatively, 651 Floor-thane can be tried on a test patch (2 coats) after sanding. 651 Floor-thane is not recommended over wax or silicone polishes.

NEW TIMBER AND CORK SURFACES: Smooth sand to an acceptable finish, remove all dust, lint and other loose surface particles by vacuuming. Remove residual dust by TAC-RAG or by wiping with a lint free cloth moistened with 674 XT-120 Thinners. Ensure surface is thoroughly dry.

FLOORS PREVIOUSLY COATED WITH FLOOR-THANE: Floors previously coated with 651 Floor-thane may be recoated by thoroughly washing with 684 Superwash (formerly Floor Clean) followed by sanding to a dull finish with 220 grit Dri Lube sandpaper. Apply one or two coats of 651 Floor-thane.

CONCRETE FLOORS: Concrete must firstly be thoroughly clean and oil free. Then mix 5L Hydrochloric Acid into 10L water. Scrub onto surface with a 'deck scrub' scrubbing brush or stiff acid resistant broom and rinse off with clean water. Do not allow acid to dry on the surface before rinsing. Apply solution of Forminex Acid Neutraliser (1kg into 10L fresh water) to floor with a 'deck scrub' scrubbing brush or stiff broom and rinse. Allow to dry min. 2-3 days.

APPLICATION: Apply only when surface and air temperature are between 10 and 30°C. Use a brush for cutting in edges and a 6mm Mohair roller with extension pole (or, if preferred, a lambswool applicator) for broad areas. When applying the initial coat, thin 30% with 674 XT-120 Thinners.

CAUTION heavy/high film build or puddles may result in bubbles on curing. Only apply in thin films (see below for spreading rate). **DO NOT POUR FLOOR-THANE DIRECTLY ONTO FLOOR or into cracks and joints.**

NOTE: With coloured or limed 651 Floor-thane it is very important to maintain a 'wet edge' as overlapping over areas that have already dried will result in darker patches of colour. It is therefore also important only to cut in small areas at a time.

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Customers need to appreciate that as Topline Paint cannot control the conditions under which our products are used, we therefore are unable to guarantee suitability or accuracy in every situation. If any doubt exists, do check with our technical people. Before large-scale use always test on a small sample and ascertain suitability. No warranties express or implied are made. The risks and liability arising from handling, storage, use and compliance with legal restrictions, rests with the buyer.





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DRYING TIME: Dry time will vary with temperature and atmospheric moisture. The following times are at 25°C and 50% humidity. Remember surface temperatures of floors may differ from the ambient temperature. Lower temperatures prolong drying times. Touch dry in 1 - 2 hours. Re-coatable after 4 - 6 hours (see below). May be walked on after 4 - 6 hours. Maximum hardness reached in approx. 3 - 4 days. NOTE: Below 10°C curing time may be dramatically extended. We do not recommend application at temperatures below 10°C or if the surface temperature will remain below 10°C during the curing period. If low temperatures are unavoidable then heating must be used. Application at temperatures over 30°C is also not recommended

RE-COATING TIMES: 651 Floor-thane can usually be recoated after 4 - 6 hours depending on temperature and atmospheric moisture content. To maximise inter-coat adhesion 651 Floor-thane should be recoated when tack free but not fully hard. If the floor is recoated within 24 hours it is not necessary to sand between coats ***unless the previous coat has not dried to a smooth, dust free finish.*** If more than 24 hours has elapsed between coats, the surface should be sanded with 220 Dri Lube sandpaper, & all sanding dust thoroughly removed.

HINT: A final wipe with a clean, lint free cloth moistened with 674 XT-120 Thinners will aid dust removal. The third coat should be applied 12 - 24 hours after the 2nd coat.

NOTE: Do not apply 3 coats within 1 day as solvent entrapment blisters may occur.

THINNING: Thin first coat only with 674 XT-120 Thinners.

CLEAN UP: Clean equipment with 674 XT-120 Thinners. Between coats, brushes, rollers and trays should be scraped of excess 651 Floor-thane and the rollers and brushes stored in 674 XT-120 Thinners. Shake out excess thinners before using for next coat. Brushes and rollers are very difficult to clean satisfactorily and are generally discarded at completion of the job. Do not clean hands with solvents, use suitable hand cleaner.

COVERAGE: 8 - 12m²/litre depending on porosity of surface.

SPECIAL NOTES: This product dries by absorbing atmospheric moisture. Do not leave the lid off the can. Do not use the 651 Floor-thane can as a paint pot. Pour as much product as you need for immediate use, into a paint tray or another clean dry container and reseal the can. Do not return any unused or tinted material to original container. Opened cans have limited storage life.

MAINTENANCE: Use quality dirt trap mats at exterior doorways to minimise sand and grit being tracked over surface. Sweep floors regularly. Clean floors with a damp mop or detergent and water or any non-solvent based, floor cleaner. After 4-6 weeks, 651 Floor-thane can be over coated with one coat of with 645 Mop-Top to maintain surface.



651 Floor-thane

PRECAUTIONS:

The following information is a general guide only. Industrial users (ie where the product is being used in the workplace) are legally required to have available a Material Safety Data Sheet on this product. If you are unsure if you have an MSDS on this product please contact Topline Paint and one will be provided.

Safety Directions: **KEEP OUT OF REACH OF CHILDREN – DO NOT SWALLOW.** Breathing the vapour is harmful and may cause lung irritation. Avoid contact with skin and eyes. Wear suitable, protective clothing, eye protection and impervious gloves when mixing and using. Handling and usage of this product must be carried out under well ventilation conditions that prevent inhalation of vapours, dust or mist. Use the appropriate breathing equipment (refer to Aust Stand. 1716) when ventilation is restricted. Keep containers closed when not in use. Eliminate any source of ignition (open fires, pilot lights, furnaces, spark producing switches etc.) as this product is flammable. **DO NOT SMOKE.** Take precautionary measures against static discharges. Used clean up rags may spontaneously ignite. To avoid ignition immerse in water or store in a sealable glass container.

First Aid Instructions: If affected by inhalation, remove to fresh air. If breathing difficulty persists or occurs later, consult a doctor. If swallowed, **DO NOT INDUCE VOMITING** drink plenty of water and seek medical advice. Contact a Doctor of Poisons Information Centre (Phone 131126). If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water. If irritation occurs seek prompt medical advice. Immerse contaminated clothing in water for 24 hours and do not use until laundered. In case of eye contact, hold eyes open and flood with running water for at least 15 minutes seek medical advice.

Leaks, Spills and Disposal: To prevent ignition of fumes product shut off all ignition sources. Contain or shut off leak if safe to do so. For large leaks or spills of volatile, flammable product, use respiratory protection, protective apparel and footwear. Spills should be absorbed either with rags (small spill) or dry sand/earth (large spill). In the case of flammable product spillage, use spark free implements to place rags or absorbed material into a solvent resistant container. Cover with water for 24 hours before disposal. DO NOT pour left over product down the drain – retain it in marked sealed container for future use or disposal through chemical waste collection programs. Dried empty cans can be recycled and should be disposed of via council steel recycling facilities.

Fire: Use foam and breathing apparatus. Avoid breathing products of combustion.

Hazard: The coloured square at the top of page 1 is provided for a quick reference as to the hazard level of a product. Blue refers to coatings with low hazard (eg water based wall paints). Yellow refers to medium hazard products such as QD enamels, which contain solvents, are flammable and need respirators for vapour protection. Red refers to products with special hazards such as isocyanate cured two pack finishes