



High Performance Paint Product Data Sheet



TUFF FLOOR PUD CLEAR

56-4XXX MAR 20



DESCRIPTION: A clear, non-yellowing water based polyurethane for timber floors, bench tops and other surfaces in moderate use areas. Durability, wear and toughness properties will be significantly enhanced for high-wear areas by the addition of DIAMOND HARDENER (see data sheet).

TYPICAL USES: Finishing of timber floors and work surfaces, where stain resistance, abrasion resistance and durability are required. Ideal replacement for older solvent based floor coatings such as moisture cured polyurethanes. Tuff Floor PUD does not have strong solvent odours and can be safely applied without having to vacate or ventilate painted areas. Quick drying, Tuff Floor PUD can have 2 coats applied in a day and can be walked on without shoes in 3 hours.

PERFORMANCE: Provides a tough, flexible finish, in gloss or satin, which brings out the richness and natural beauty of timber.

LIMITATIONS: Do not apply if the air or surface temperature during application and drying is likely to fall below 10°C or when humidity is above 85%.

Tuff Floor PUD Satin may settle – Stir thoroughly before use.

TECHNICAL DATA:

Resin:	Polyurethane
Solvent:	Water
Finish:	Gloss (75%+ @ 60°) Satin (30-35% @ 60°) Clear
Colour:	Clear
Touch Dry (minimum):	60 minutes @ 20°C
Recoat Time (minimum):	4 hours @ 20°C
Primer:	
Number of Coats:	2-4
Dry Film Thickness:	26-32 microns at 12-10 m ² /litre
Wet Film Thickness:	83-100 microns at 12-10 m ² /litre
Durability:	Very good
Thinning and Clean Up:	Water
VOC:	78 g/litre
Pot Life:	Not Applicable
Pack Size:	1, 4, 10 Litre

SPREAD RATE:

Theoretical Coverage: 10-12 m²/litre/coat.
Coverage depends on surface profile and porosity.

COMPUTER CODES:

Tuff Floor PUD Clear Gloss	56-4705
Tuff Floor PUD Clear Satin	56-4305
Tuff Floor Diamond Hardener	56-4000

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SURFACE PREPARATION:

(Refer to "Surface Preparation and Paint Systems" for full details). To ensure a successful application all surfaces to be coated must be clean, dry and stable.

All cracks and joints need to be treated as appropriate to suit the situation. Do not expect paint to bridge moving cracks/joints successfully. Ensure surfaces are free from dust, oil, grease and any surface contamination.

Note: Commencement of work on a surface means in general you accept that surface. If any doubt about condition etc, seek advice.

NEW TIMBER (FLOORS):

New freshly sanded flooring can be coated directly without the use of a sanding sealer. Tuff Floor PUD can be used in areas of light traffic or use but it is recommended that DIAMOND HARDENER is used in all areas where moderate to heavy use is anticipated.

SANDING SEALER is recommended prior to top coating to assist in achieving maximum adhesion and also to ensure that any grain raising is sanded out at this stage allowing the top coat to be applied more easily.

PREVIOUSLY COATED TIMBER (FLOORS):

Ensure surfaces are free from dust, oil, grease and any surface contamination.

All coatings should be removed back to bare timber. Trying to recoat over areas of previous clear coating and areas that are back to the bare timber will result in a "light and dark" patchy appearance.

If paint strippers are used to remove old coatings they will need to be thoroughly washed off and the timber allowed to dry.

If the existing coating is sound and being recoated to "freshen up" then hard sand with 100# to an even matt surface and recoat. It is recommended that DIAMOND HARDENER is added to ensure good adhesion to the existing coating and achieve maximum toughness and durability.

NEW TIMBER OR TIMBER VENEER (OTHER THAN FLOORS):

It is recommended that SANDING SEALER is first applied, to seal the surface. This should be allowed to cure for the appropriate time, and then sanded back to a smooth, flat uniform finish. All sanding residue should be thoroughly removed. Grain filling should be done by applying a number of light coats of SANDING SEALER with sanding (150-180#) in between.

Apply 2-4 coats of TUFF FLOOR PUD CLEAR, sanding (220-250#) lightly between coats.

Add DIAMOND HARDENER if extra durability, resistance to water, food and drink spills is required.

APPLICATION:

BRUSH: Use a good quality brush. Apply a liberal coat and do not over work the paint. TUFF FLOOR PUD CLEAR will flow out well so leave the coating to do so once applied. Flooring can best be coated using a wide (300mm) speed brush and pouring the clear onto the floor then spreading to an even film. Once spread do not go back and re-work as the product will flow and settle on its own.

ROLLER: Use a 6-10mm nap dacron roller, or similar.

SPRAY: Recommend an airless unit. Pressure 2,500psi max and a tip 515 or larger. Do not apply heavy coats but rather spray "wet on wet" until a good film build is achieved. If a heavy final coating is required then allow the first coat to dry, sand and apply the next coat. Repeat this process until the coating thickness has been achieved.

NOTE: In hot or dry weather it may be necessary to ease the TUFF FLOOR PUD CLEAR with water (up to 10%) to slow down the initial set up. Test a small patch first and if it is difficult to brush or spread out, add water until it reaches a good working consistency.

Product may settle. Stir thoroughly with a wide paddle prior to application. If DIAMOND HARDENER is added product tends to body slightly. This can be returned to normal viscosity by addition of 5-10% water.

THINNING & CLEAN UP:

Maximum thinning 10%. Clean up in water. Use a small amount of detergent to aid clean up.

ENVIRONMENTAL:

This formulation uses the latest technology with low toxicity, ensuring environmental issues are not compromised. DO NOT POUR paint or wash down storm water or water courses. ALWAYS dispose of in accordance with local Government regulations. Soak up spills with absorbent material and dispose of properly. If spraying use suitable respiratory protection. Refer to the MATERIAL SAFETY DATA SHEET.