

TUFFLOOR 41 SL EPOXY

TDS60-1301

DESCRIPTION	A versatile 2K, high solids solventless Epoxy used to create self-levelling or multi-layered floors. TUFFLOOR 41 SL EPOXY provides a highly durable, super smooth or non-skid finish for commercial environments when used with RUFF-IT PLUS.		
TYPICAL USES	Floors and walls which require a seamless, non-porous chemically inert and abrasion resistant finish. Such places include foodstuffs sector, clean rooms, abattoirs, milking sheds, dairy factories, automotive, machinery and manufacturing environments, the chemical industry and other medium to heavy industries.		
PERFORMANCE	Excellent chemical and abrasion resistance. Exhibits excellent mechanical performance properties. Approved NZS:4586;2004 Appendix A, WET SLIP RESISTANCE: "Y". RUFF-IT PLUS 5% mixed to 41 SL EPOXY "X"		
LIMITATIONS	Do not apply on damp substrates without suitable TUFFLOOR primer/sealer. Do not apply to dusty, friable, or unstable substrates. Check Cotec specification for suitable TUFFLOOR Primer and preparation. UV or chemical exposure may cause colours may fade or change colour; this has no effect on performance. Protect the product from water for at least 24 hours after application. Vehicle, folk hoists, and other heavy equipment should not be used on the finished surface for 7 days or until the coating has fully cured. If rapid return to service is required refer to Cotec Specification tool- Performance: Industrial Rapid Service Return.		
TECHNICAL DATA	Resin: 2 Component Epoxy Solvent: Solventless Colour: Selected RAL and AUS2700 Primer: See over. Durability: Excellent Thining and Clean Up: Epotec 107 Thinner Potlife: 60-70 mins @20°C Pack Size: 5, 20 Kg Working Time: 45mins @20°C Walk on Time: 24 hours (20°C/50% RH) Cure Hard @20°C: 7 days Mixing Ratio: 4:1 VOC: 60g/l Vol Solids: 100 percent Touch Dry: 5-7 hours @20°C Recoat Time: 12 Hours @20°C Max Recoat Time: 72 Hours @20°C Number of Coats: Varies with specification. Theoretical Coverage: 6.4 m ² /Kg/coat Wet Film Thickness: 150 microns Dry Film Thickness: 150 microns Specific Gravity: 1.3		
AVAILABLE FINISHES @60°C	Sheen Gloss 70%	Slip Rating 25-34 Y	Slip Rating RUFF-IT-PLUS 35-44 X or R10
SPREAD RATE	Standard Application: 6.4 - m ² /Kg/coat Standard Application: 6.4 - m ² /Kg/coat Medium 0.4mm: 2.5 - m ² /Kg/coat SELF LEVELLING 2mm: 0.5 - m ² /Kg/coat Practical spreading rates will vary depending on such factors as application method, ambient conditions and surface porosity and roughness.		
PRODUCT CODES	60-7035, 60-2103, 60-1301		
PRIMERS AND UNDERCOATS	Substrate Cementitious Cementitious	Primer / Undercoat TUFFLOOR PRIMER KC TUFFLOOR WB EPOXY SEALER	Technical Data Sheet See TDS61-1100 See TDS56-700

SURFACE PREPARATION **Cementitious Flooring-New Unpainted**

It is strongly recommended that plaster and concrete is left to age for at least 28 days before coating to allow the concrete to fully cure before application. It is recommended that a moisture test on the concrete is carried out at this stage prior to painting. Refer to PS-C004 The Moisture Content of Concrete.

Note: Surfaces treated with Xypex

Do not proceed with surface preparation or application or other coatings until waterproofing treatment has cured and set for a minimum of 21 days. Light abrasive blasting or washing the Xypex surface with a 3 - 5% acid solution followed by a rigorous rinse with clean water is recommended before applying the coating. Be sure to flush all acid off the surface. Alternately, removal of the Xypex coating by high pressure washing or abrasive blasting following full curing is acceptable.

All surfaces must be clean, and free from dirt, grease, and any other surface contaminant. Clean with TRUEPREP SURFACE CLEANER following instructions, power wash (min 3500 psi) to remove residue and any loose material. Refer PS-C006 Making Concrete Clean and Dry.

All surfaces need to be inspected once degreased and power washed to fully establish the condition of existing substrate (and remaining coating) prior to finally specifying the degree and type of preparation work. Any recommendations made prior to this are guides only.

The substrate needs to be profiled to an open uniform surface suitable for priming, and consideration given as to the most appropriate method of preparation that maintains the substrates integrity.

The method of preparation work (Grinding, media/soda blast, or UHP blasting, acid etching, sanding or other) must be discussed and documented separately. Generally, a full grind to remove existing contamination and profile the surface as above is recommended.

Repair work (surface and crack repair, expansion joints, rebar rust leaching) must be discussed and documented separately. Do not expect paint to successfully bridge gaps and cracks. Refer to PS-C005 Repair of Concrete Defects.

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MIXING INSTRUCTIONS

Just prior to painting, drill mix at low-speed part A to a smooth consistency, taking care not to aerate the product. Mix Part B into Part A h for 2-3 minutes, ensuring that the sides and bottom of the pot have been completely mixed into a smooth consistency. If using RUFF-IT PLUS non-skid add to the mix and stir for up to one minute.

COATING TECHNOLOGIES LIMITED

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APPLICATION	Prime the surface as per specified TUFFLOOR Primer TDS. Allow to dry. Make sure there are no open pores in the surface of the substrate otherwise air bubbles could escape and form small craters or pinholes in the self-levelling finish coat. If there are holes or open pores in the substrate fill them with TUFFLOOR 41 SL EPOXY thickened with TROWEL-IT. AIM TO COMPLETE APPLICATION OF THE MIXED CONTAINER PRIOR TO END OF POT LIFE. APPLICATION SELF LEVELING- Spread and Back-roll: Pour the mix onto the floor and spread out evenly using a notched spreader (with "V" shaped teeth). Back-roll with a spiked roller several times while the product is still wet to even out the thickness of the coating and to remove any air entrained into the product during the mixing phase. TOOLS: 1. Squeegee Frame: 18 or 26" Easy Squeegee Frame 2. Squeegee: Mauve V Notch: 18" or 26" Easy Squeegee™ 50-60 WFT Mills Blade 3. 455mm Premium Spiked Roller – 11mm Spikes or 500mm x 11mm Economy Spiked Roller 4. Spiked Shoes Video available: https://youtu.be/ts-ta31P5X0 APPLICATION MEDIUM 0.6mm Squeegee: BlueV Notch: 18" or 26" Easy Squeegee™ 25-30 WFT Mills Blade Lay off with spike roller, or float layoff with Wooster Pro-dooz 10mm nap sleeve, without downward pressure. End of pot life is observed by a rapid increase in pot viscosity. Note: In hot weather the pot life will be shortened. Prior to recoating, test the coating by pressing your thumb into the coating for 2 seconds. Recoat only if no impression is made in the coating. Recoat within 5 days. If longer than 5 days elapses before recoating surface should be first sanded using 120-150 grit sandpaper. Thoroughly remove sanding dust by vacuuming and washing. SPRAY Recommend an airless unit, Graco 895 or larger. Pressure 2,500psi max and a 321. *Add up to 10% EPOTEC 107 Thinner if necessary. Back-Roll with a 10-13mm nap Wooster Pro-dooz roller sleeve to ensure even spread. BRUSH/ROLLER ROLL COAT: Use a 10-13mm nap Wooster Pro-dooz roller sleeve. CLEAN UP EPOTEC 107 thinner
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APPLICATION NOTES	NOTES: If rooms where the product is being applied need to be warmed up, do not use heaters that burn hydrocarbons, otherwise the carbon dioxide and water vapour given off into the air will affect the sheen of the finish and may ruin its appearance. Use electric heaters only. Remove aggressive chemicals as soon as possible after they meet the surface of TUFFLOOR EPOXY 41 SL. Use suitable cleaning equipment and detergent to clean the coating, depending on the type of dirt or stain to be removed.
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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
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