

TREDGRIP

TECHNICAL DATA SHEET

High Build Water Based Non-Skid Acrylic



A & I Coatings **TREDGRIP** is a high build, water based acrylic copolymer, which has cross-linked, crumbed rubber incorporated to give excellent non-skid properties. Tredgrip has high elasticity and very good tensile strength. Tredgrip is used as a nonskid protective membrane where permanent flexibility is required.

USES & BENEFITS	Serviceable for both internal and external application. Can also be used as waterproofing protection. For application to most common building substrates such as: • Timber • Concrete • Plywood • Fibreglass • Steel • Masonry Surfaces					
	Benefits 1. Very weather resistant and UV stable. 2. Excellent flexibility to accommodate substrate movement. 3. Exceeds Australian Standard for non-slip coatings.		6. Resists fungal and algae attack. 5. Fast drying with easy re-coat ability and/or repair. 6. Water based and environmentally responsible. 7. Will bridge/fill hairline cracks in concrete			
PHYSICAL PROPERTIES	Vehicle Type		Acrylic Copolymer			
	Finish		Matte. (With added granular rubber grit texture).			
	Theoretical Coverage		6m² per litre per coat recommended. Applying Tredgrip at a greater coverage rate will result in an uneven appearance.			
	Volume Solids		62 ± 2 %			
	Recommended DFT		50µm – 125 DFT			
	Usual No. of Coats		Minimum of 2			
	Colour		Various			
	Pigmentation		White or Accent based tinted to colour			
	VOC Content		85g/Litre (APAS)			
	Slip Rating		R10 (AS4586)			
ENGINEERING DATA	Allow to cure for a minimum of 72 hours before walking on Tredgrip					
	Abrasion Resistance		Good			
	Flexibility		Very Good			
	Chemical Resistance		Good			
	Solvent Resistance		Good			
	Salt Spray Resistance		Good			
	Water Resistance		Good, not suitable for long term immersion			
CURING DATA	Durability		Excellent			
	Substrate Temp.(°C)		Surface Dry	Through Dry	Full Cure	Recoat Min
	25°C		15 Min	1.5 Hrs	5 Days	2 Hrs

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APPLICATION DATA	Mixing	Single pack product, mix thoroughly before use.
	Application	Apply using a long nap roller with a minimum nap length of 20mm. Always apply one coat in one direction, and then apply the other coats at 90° or right angles to the previous coat to ensure adequate and even coverage. Ensure you have a 'wet edge' when doing large areas to avoid track marks in the final appearance.
	Cleaning	Wash all equipment in clean water before product dries.
	Thinning	First coat should always be thinned with approx. 20% clean water.
	Typical Specification	Clean thoroughly, acid etch if needed, apply Tredprime if concrete powdery or very smooth, otherwise thin first coat of Tredgrip with water, followed by unthinned topcoat.
SURFACE PREPARATION	All Surfaces	All surfaces must be clean and dry, free from dirt, grease, oil, rust, mould and flaking material
	Masonry Surfaces	New concrete should be left to cure for 28 days, before acid etching and flushing with clean water and a water blaster. All surfaces including cement sheeting must be primed with Tredprime or Water Based Satin Epoxy.
	Steel	All steel surfaces must be prepared by thoroughly degreasing to remove all traces of oil/grease and sandblasted or wire brush cleaned before coating with E2300 water based metal primer according to manufacturer's directions.
	Aluminium	All aluminium surfaces must be prepared by thoroughly degreasing to remove all traces of oil/grease and sandblasted, wire brushed or sanded before coating with Water Based Satin Epoxy according to manufacturer's directions.
	Timber	All timber should be suitably primed with a premium quality acrylic timber primer before the application of Tredgrip.
	Fibreglass	Surface must be thoroughly sanded with coarse sandpaper (e.g. 60-80 grit) before cleaning with sugar soap and flushing with plenty of clean water.
	Previously Painted Surfaces	Remove any loose, flaking or chalking material. Existing paving paints including oil based enamels must be sanded and thoroughly cleaned then sealed with a premium quality acrylic primer. Epoxy coatings and polyurethanes must be sanded, cleaned and primed with water based satin epoxy according to manufacturer's directions. ALL EXISTING PAINT SYSTEMS MUST BE TESTED FOR ADHESION TO THE SURFACE BY DOING A CROSS-CUT AND TAPE PULL-OFF TEST. IF EXISTING SYSTEM SHOWS POOR ADHESION IT MUST BE COMPLETELY REMOVED.
WORK STOPPAGES	General	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with A & I Coatings recommended cleaner. Once units of paint have been mixed they should not be resealed and it is advised that after prolonged stoppages work recommences with freshly mixed units.

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WORK STOPPAGES (Cont.)	Clean Up	Clean all equipment after use with A & I Coatings recommended cleaner. It is good work practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, (including delays).
	Packing	Available in 1, 4 and 10 L Pails. For availability of other sizes, contact A & I Coatings.
PACKING & STORAGE	Storage	12 months if stored in sealed containers away from heat and moisture. Subject to re-inspection thereafter.
	HEALTH & SAFETY All applicable statutory regulations must be observed in the application of this product. Users must first read the Safety Data Sheet for Tredgrip Users should familiarize themselves with all the safety aspects of the product prior to usage	

All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

Note: The figures quoted for pot life and drying/curing times are not definitive. They are dependent on onsite conditions, such as volume of material mixed, ambient and substrate temperatures, weather and ventilation. **DISCLAIMER** Since the use and application of this product is beyond our control, we cannot be held responsible for product field performance. The information presented above is the result of our considerable experience with this product but is not to be construed as a performance warranty. For additional information, phone our Customer Service Centre.



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