

TREDGRIP

High Build Water Based Non-Skid Acrylic

Technical Data Sheet Number 328



PRODUCT DESCRIPTION	<p>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 non-skid protective membrane where permanent flexibility is required.</p>				
USES & BENEFITS	<p>Serviceable for both internal and external application. Can also be used as waterproofing protection. For application to most common building substrates such as:</p> <ul style="list-style-type: none"> • Timber • Concrete • Plywood • Fibreglass • Steel • Masonry Surfaces 				
	<p>Best results are achieved by applying Tredgrip with a long nap roller, (minimum 20mm nap) to a maximum coverage rate of 6m²/L per coat.</p>				
	<p><u>Benefits</u></p> <ol style="list-style-type: none"> 1. Very weather resistant and UV stable. 2. Excellent flexibility to accommodate substrate movement. 3. Exceeds Australian Standard for non-slip coatings. 4. 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 	<p><u>Limitations</u></p> <ol style="list-style-type: none"> 1. Not suitable for industrial use where heavy machinery may damage coating 2. Not recommended for long-term water immersion 3. Some rubber compounds will bond to Tredgrip in some areas, e.g. car tyres and outdoor furniture feet etc. 4. Do not apply to surfaces for the collection of drinking water as tainting may occur. 5. Do not apply when rain is expected or temperatures could fall below 10°C, or in hot drying winds, or direct sunlight. 6. Do not apply to loose or powdery surfaces. 			
PHYSICAL PROPERTIES	Vehicle Type	Acrylic Copolymer			
	Hardener	N/A - Single Pack			
	Pot Life	N/A			
	Finish	Matt/Textured			
	Theoretical Coverage	6m ² per litre per coat recommended. Applying Tredgrip at a greater coverage rate will result in an uneven appearance.			
	Volume Solids	62%			
	Primer Required	Tredprime – dependant on application			
	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)			
	Allow to cure for a minimum of 72 hours before walking on Tredgrip				
ENGINEERING DATA	Abrasion Resistance	Good			
	Flexibility	Very Good			
	Chemical Resistance	Good for most common chemicals			
	Solvent Resistance	Good for most common chemicals			
	Salt Spray Resistance	Good			
	Durability	Excellent			
	Weathering	Excellent			
	Water Resistance	Good, not suitable for long term immersion			
CURING DATA	Substrate Temp.(°C)	Touch Dry	Trafficable	Full Cure	Recoat Min
	25 °C	30 Min	72 hours	7 Days	2 – 4 Hrs

APPLICATION DATA	Mixing	Tredgrip is thixotropic. Stir contents thoroughly until smooth. Multiple containers should be boxed together to ensure colour uniformity.
	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.
PACKING & STORAGE	Packing	Available in 1, 4 and 10L pails. For availability of other sizes, contact A & I Coatings.
	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 Material Safety Data Sheet for Tredgrip. Users should familiarize themselves with all the safety aspects of the product prior to usage. Ensure adequate ventilation during use and sufficient air flow for the comfort of the applicator. Wear safety goggles and protective gloves. Keep contents sealed and away from children. Please ensure the current Technical Data Sheet is consulted prior to specification or application of A & I Coatings products. If the surface intended to be painted differs from the specification, please consult the A & I Coatings Technical team on 1800 819 585.	

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 on 1800 819 585.

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