

## High build non-skid surface coating

### Product

**Tredgrip**

### Description

Tredgrip is a high build, water based acrylic copolymer which has a crosslinked, crumbed rubber incorporated to give excellent non-skid properties. Tredgrip has high elasticity and very good tensile strength.

### Colour

Various

### Finish

Matt/Textured

### Uses

As non-skid protective membrane where permanent flexibility is required and is serviceable for both internal and external application. Can also be used for waterproofing protection. For application to most common building substrates such as : timber, concrete, plywood, fibreglass, steel, masonry surfaces, etc.

### Properties

- Very weather resistant and UV stable. Also has excellent flexibility to accommodate substrate movement.
- Exceeds Australian Standard for non - slip coatings.
- Resists fungal and algae attack.
- Fast drying with easy re-coat ability and/or repair.
- Water based and environmentally responsible.
- Will bridge/fill hairline cracks in concrete.

### Performance

**Weathering:** Excellent.

**Solvent Resistance:** Good environmental resistance.

**Chemical Resistance:** Good for most common chemicals

**Abrasion Resistance:** Good

**Water:** Good, long term immersion not recommended.

**Temperature:** Application range 10 °c - 30 °c. Film service range 5 °c - 90 °c

**Flexibility:** Very Good

### Technical

**Solids Content:** 62% volumetric solids.

**Recommended Coverage:** 6m<sup>2</sup> per litre per coat

**Recommended Film Build:** Minimum dry film thickness 600 microns.- i.e. 2 coats.

**Touch dry:** 30 minutes - 1 hour @ 25°C

**Recoat:** 2 - 4 hours @ 25°C

**Water resistant:** 16 hours @ 25°C

**Full cure:** 7 days @ 25°C

**Application Method:** Brush, roller or soft broom.

**Thinning:** Use clean water in moderation.

**Clean up:** Wash all equipment in clean water before product dries.

**Shelf Life:** 12 months in unopened containers

**Handing:** Non-flammable. Adopt normal painting precautions.

**Packaging:** Available in 1, 4 and 10 litre containers.

**No. of coats:** Minimum of 2.

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Tredgrip applied on carousel at Melbourne Zoo



## Surface Preparation

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 a water blaster. Smooth or powdery surfaces including cement sheeting must be primed with Tredgrip Primer.

**Steel:** Areas of rust must be removed by either sand blasting or wire brush before coating with a WATER BASED METAL PRIMER according to manufacturers direction. New surfaces must be thoroughly degreased to remove all traces of oil/grease before coating with a WATER BASED METAL PRIMER according to manufacturers 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 must be thoroughly sanded and cleaned. Tredgrip will generally adhere to previous acrylic coatings if they are sound and clean. Previous oil based enamels must be sanded and thoroughly cleaned. Epoxy coatings and polyurethanes must be sanded, cleaned and primed with a suitable ACRYLIC PRIMER according to manufacturers directions. Spot prime bare areas as for new surfaces.

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.

## Mixing

Tredgrip is thixotropic. Stir contents thoroughly until smooth. Multiple containers should be boxed together to ensure colour uniformity.

## Thinning

The first coat of Tredgrip should always be thinned with approx 20% clean water. Subsequent coats should be applied 'neat' from the can.

## Application

The most effective results are obtained by using either a brush or a soft synthetic bristle household broom. A long nap roller can also be used. Always apply one coat in one direction, then apply the other following coats at 90° or right angles to the previous coat to ensure adequate and even coverage. Always ensure you have a "wet edge" when doing large areas to avoid track marks in the final appearance.

## Safety

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. If swallowed call a doctor or Poisons Information Centre. For detailed safety precautions consult the TREDGRIP MATERIAL SAFETY DATA SHEET available from the manufacturer.

## Precautions

- \*Not for industrial use where heavy machinery may damage the coating
- \*Not recommended for long term water immersion
- \*Some rubber compounds will bond to Tredgrip in some areas, e.g. car tyres and outdoor furniture feet etc.
- \*Do not apply to surface for the collection of drinking water, as tainting may occur.
- \*Do not apply when rain is expected or when temperatures could fall below 10°c
- \*Do not apply to loose or powdery surfaces
- \*Do not apply in direct sunlight or hot drying winds

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