



Rhinothane[®] T (Gloss Rollgrade)

2K polyurethane finish coat

Description

- 2-pack polyurethane high performance topcoat

Properties

- Superior weather resistance and light fastness
- High initial gloss and excellent gloss retention
- Fast dust-free time

Typical Applications

- UV stable topcoat for suitably primed concrete substrates – (Refer 'Surface Preparation' notes)

General Data

- Weather resistance Excellent
- Solvent resistance Resists splashes of most common solvents
(Not recommended for continuous immersion)
- Chemical resistance Good
- Abrasion resistance Good
- Heat resistance up to 100°C
- Suitable primers Rhinamel[®] / Rhinofloor[®] SF Premium / Rhinofloor[®] HS / Rhinofloor[®] HBE
Rhinofloor[®] HBE (SL) / Rhinaqua[®] / Transpoxy Masterbond 4.67N
- Stain Resistance Very good
NOTE - "Antiozonants" contained within makeup of some particular vehicular tyres may still cause marking / yellowing to applied film where an individual vehicle is parked. Vinyl-backed "Tyre mats" may be beneficial to limit potential of this type of film staining. However, we highly recommend trialing of various manufactured tyre mats to see which will be suitable for a particular floor in question.
NOTE - Do not use mats manufactured from "Recycled Vehicular Tyres"
NOTE - Do not park vehicles on applied film until full curing has been achieved

Specifications (at 25°C and 50% relative humidity)

- Resin type.....Polyester Polyurethane
- Mixing ratio.....2 : 1 (by volume)
- Solids content..... 45% (by volume)
- Typical film thickness (per coat)..... 40 microns (dry)
90 microns (wet)
- Theoretical coverage..... 6 - 7 m² / L @ 40 microns dry film thickness (dependant on colour)
- Touch dry..... 45 minutes
- Hard dry..... 6 hours
- Full cure..... 5 days
- Recoating..... within 16 to 24 hours to ensure good intercoat adhesion
after 24 hours, sanding is required before recoating
- Pot life..... 2 hours (depending on temperature and level of thinner added)
- Gloss..... Gloss
- Colour..... Extensive colour library and easy colour matching with Coloryte[®]
Industrial Tint System – Clear Gloss also available
- Shelf life..... minimum 12 months (in cool, dry conditions)

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Surface Preparation

- Substrate to be prepared using shot-blast / diamond grinding prior to application of epoxy primer.
- Not suitable for application directly to concrete substrates without application of epoxy primer.
- Refer to Wagon Paints Technical Department for further preparation recommendations.

Mixing recommendation

- Mix only the quantity required for the job
- Mix Pack A with Pack B in the ratio 2:1 by volume
- Stir thoroughly with a broad paddle or mechanical mixer to ensure even mixing of the two parts

Application

- Microfibre (Non-shedding) roller covers are recommended: nap size: 10 – 15 mm (Applicator preference)
- **Apply Two (2) coats minimum for UV protective topcoat if “Clear” coating specified / required.**
- Limit excessive back-rolling as this may cause bubbling in film
- Uneven film-build due to poor application technique of this product may result in gloss level & colour variations
- **Cleaning solvent**T1 PU Spray Thinner
- **Thinning solvent**T1 or T2 or T27 or T44 PU Thinner (Refer Technical Representative)

- **POLYURETHANE ACCELERATOR:**

A 'Polyurethane Accelerator' is also available for use in the Rhinothane T Rollgrade floor coating system. Please note that these polyurethane accelerators should only to be used in the cooler months of the year. Mix only the quantity required for the job. The Polyurethane Accelerator should be added to the mixed Pack A & B material at no more than 1% (v/v) per mixed litre. (eg. Add 100ml of accelerator to 10 litres of mixed Pack A & B material) Please note that if this maximum accelerator addition is increased, the pot-life will be lessened to an extent where both application and aesthetic characteristics will be compromised. Please refer Wagon Paints Technical Department for further information.

Coating Systems

Substrate	Primer	Topcoat
Concrete	Rhinamel [®] Clear Sealer	Rhinothane [®] T Rollgrade
Concrete	Rhinofloor [®] HS	Rhinothane [®] T Rollgrade
Concrete	Rhinofloor [®] SF Premium	Rhinothane [®] T Rollgrade
Concrete	Rhinofloor [®] HBE	Rhinothane [®] T Rollgrade
Concrete	Rhinofloor [®] HBE (SL)	Rhinothane [®] T Rollgrade
Concrete	Transpoxy Masterbond 4.67N (F/G)	Rhinothane [®] T Rollgrade

The application of the Rhinothane[®] T Rollgrade product is governed by recoat interval times. Please refer 'Specification' section, or alternatively contact Wagon Paints Technical Department for further recommendations.

Caution:

Store Rhinothane[®] T Rollgrade Pack A & B in a cool, dry location. Do not apply when the air / surface temperature is below, or is likely to fall below 10°C, the air / surface temperature exceeds, or is likely to exceed 30°C, or relative humidity exceeds, or is likely to exceed 85%. Substrate temperature must be at least 3°C greater than the dewpoint at the time of application. Freshly applied coatings should be protected from chemicals, liquids, fluids, oils, solvents, thinners, damp, condensation and water for at least 5 days @ 25°C. Please refer Wagon Paints Technical Department for further information.

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Safety precautions

- Refer to the relevant Safety Data Sheets (SDS) for Pack A and Pack B
- Contents are flammable – keep away from all ignition sources
- Avoid contact with skin and eyes – when mixing, wear gloves and goggles
- When applying, ensure adequate ventilation and wear appropriate protective clothing and equipment

Pack A	Packaging Group II	DG Class 3	UN No. 1263
Pack B	Packaging Group II	DG Class 3	UN No. 1866

Pack sizes	4 litre, 10 litre, 20 litre (Pack A)
	2 litre, 5 litre, 10 litre (Pack B)

Anti-slip Characteristics

If specification / contract document states that a floor must conform to a particular Australian Standard for slip resistance, then an aggregate must be added into the Rhinofloor flooring system to impart the required non-slip rating. Please refer to Wagon Paints Technical Department for further information.

Wagon Paints Australia, incorporating Rhinofloor Coatings, does not warrant the “Anti-slip” performance of the coating system(s), with or without aggregate, as this characteristic is out of our control. It is up to the applicator / contractor / purchaser to satisfy any “Anti-slip” regulations or standards required if applied to areas which may be hazardous to pedestrian or vehicular traffic.

The ‘Rhinofloor’ floor-coating range has been designed / manufactured primarily to protect the concrete substrate. Please be aware that scratching, marring, colour-fading, gloss reduction, etc, will be evident, with the rate of film attack directly related to service conditions within the areas that these coatings have been applied. Wagon Paints, incorporating Rhinofloor Coatings, take no responsibility for film attack as mentioned, as these issues are a known fact inherent to all industrial epoxy and polyurethane floor coatings

The information in this data sheet is provided to the best of our knowledge. However, we have no control over either the quality or condition of the substrate and other factors affecting the use and application of this product. Therefore, we cannot accept any liability whatsoever or howsoever arising from the performance of the product or for any loss or damage arising from the use of this product. We reserve the right to change the product, as well as the data sheet, without notice.

Authorised: J. Skangos - Technical Manager August 2023

These technical data and recommendations are based on tests and information believed to be accurate at the time of printing. They should not be construed as containing any warranty, either expressed or implied. Users should conduct their own tests to determine final suitability of this product.

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