

Rhino Top Coat

Technical Data Sheet

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FEATURES

Advantages:

- Exceptional gloss retention
- Excellent colour retention
- Outstanding chemical resistance
- Outstanding abrasion resistance
- Excellent durability due to a high flexibility and toughness
- Exceptional tolerance to marginal application conditions
- High UV resistance
- High volume solids
- Low VOC

Limitations Of Use:

Colour change may occur as temperature approaches 121°C. Although colour change / fade may occur the Rhino Top Coat will remain intact.

Recommended Uses:

Rhino Top Coat is a high gloss, high performance, two component, chemically cured aliphatic (colourfast) urethane top coat designed for use with Rhino Linings elastomeric coatings.

Rhino Top Coat will provide excellent gloss and colour retention in applications where colour retention is important:

- Commercial Flooring
- Safety lines
- Show / Recreational vehicles
- Marine applications
- Locations where colourfast colours are required

SPECIFICATION DATA

Coating Type	Acrylic Urethane	Thinner:	Rhino Thinner – AL
Colour	Standard Rhino Colours and Custom colours to order from AS2700 Australian Standard Colour Chart.	Pot Life (at 25°C):	Unthinned – 3 hours 5% Thinning – 6 hours
Packaging:	1 Litre, 5 Litre. Two Component Kits	Induction Time:	15 minutes at 25°C
Mix Ratio	4 to 1 by volume	Storage:	Store under cool, dry Conditions
Gloss:	High	Density:	1.274kg per litre
Flash Point:	24°C	VOC(EPA 24):	370g per litre
Temp Resistance:	121°C dry	Volume Solid (Mixed):	60%
Theoretical Coverage Rate:	12m ² per litre at 50 microns dry	Recommended Film Thickness Per Coat:	83 microns wet to obtain 50 microns dry
Application	Airless spray, air spray, brush or roller	Dry Times (25°C DTF/50% RH):	Touch dry – 3 hours Hard dry – 6 hours Self recoat – 4 hours min. 24 hours max. without sanding

APPLICATION GUIDE

Surface Preparation:

All surfaces must be clean, dry and free of oil, grease, moisture, and other foreign matter. The best time to apply Rhino Top Coats is immediately after the application of the Rhino Linings range of Polyurethane and Polyurea. No special preparation is required if the Top Coat is applied within a few hours of spraying the Rhino Linings elastomeric coating.

Applying Top Coat over Old Rhino Polyurethane:

Remove all loose material and thoroughly clean Rhino polyurethane using Acetone. Heavy stains may need special attention with degreasers or other suitable cleaners. After old Rhino polyurethane has been cleaned, acetone washed and allowed to "flash off" the Rhino Linings Top Coat can be applied

Mixing and Thinning:

Rhino Top Coat is a two-component product supplied in 1 or 5ltr kits. The ratio is 4:1 by volume or the entire content of each container. Mix the "B" side before adding the "A" component. After mixing the two components ("A" & "B") thoroughly allow 15 minutes induction time prior to application. In the case of large jobs where more than 1 kit is required mix all the "B" side component as there may be colour difference from batch to batch.

The pot life of the mixed material at 25°C is 3 hours (unthinned), 6 hours (with 5% thinning). Higher temperatures will reduce the working life of the coating; lower temperatures will increase it.

Application:

If an approved paint spray booth is available, Rhino Top Coat can be applied using air or airless spray. In the event an approved paint booth is not available Rhino Top Coat must be brush or roller applied.

NOTE – Rhino SPRAY ENCLOSURES ARE NOT APPROVED PAINT BOOTHS.

Do not apply over wet surfaces or under very humid conditions where condensation or fog could settle on the coating during the curing process.

Re-Coating Rhino Top Coat With New Rhino Top Coat

All surfaces must be clean, dry and free of oil, grease, and moisture, form release agents, curing compounds, laitance and other foreign matter. To ensure the best appearance the undercoat (ie. Rhino Top Coat) should be smooth and free of any defects such as runs, dry spray or heavy orange peel. Remove loose and peeling paint. Scuff or sand glossy areas. If necessary, test compatibility of old Rhino Top Coat by application of a test patch. If they lift, remove the old coating completely. Clean (using acetone), scuff and prime bare areas with RhinoPrime 251 prior to re-application.

PRECAUTIONS

For industrial use only. See Product Data Sheet, product label and Material Safety Data Sheet (MSDS) for health and safety information prior to use. **Rhino Top Coat is flammable.** Keep away from heat, sparks and open flame. Use positive pressure, fresh air respirator only. May cause eye and skin irritation.

Rhino Top Coat contains isocyanate. When sprayed may be harmful by inhalation – do not breath vapour or spray. Wear suitable clothing, gloves, eye and face protection; use only air-supplied respirator or hood.

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