



# Polycoat 221

2K premium polyurethane for industrial floors

6150 - line

## Description

- 2-pack polyurethane exterior and interior floor coating

## Properties

- Excellent abrasion and wear resistance
- Suitable over epoxy floor coatings
- Reduced marking and tyre squeal in carparks

## Typical Applications

- Commercial carparks
- Factory and warehouse floors
- Retail complex floors
- **This is an industrial grade product and is not recommended for use in domestic situations**

## How To Specify

- The flooring system shall be "Polycoat 221" as supplied by Wagon Paints Australia Pty. Ltd.
- Please refer 'General Data' for substrate priming prior to application of Polycoat 221
- The colour shall be .....
- The degree of non-slip to be similar to 'Approved' sample, or to ramp rating classification of "R ....."

## General Data

- |                       |  |
|-----------------------|--|
| ▪ Weather resistance  | Recommended for both interior and exterior usage                                   |
| ▪ Solvent resistance  | Resists splashes of most common solvents; not recommended for continuous immersion |
| ▪ Chemical resistance | Good   |
| ▪ Abrasion resistance | Excellent  |
| ▪ Suitable substrates | Rhinofloor <sup>®</sup> SF Premium, Rhinofloor <sup>®</sup> HS, Rhinoscreed        |

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

- |  |  |
|--|--|
| ▪ Resin type.....                        | Polyester polyol / Aliphatic isocyanate  |
| ▪ Mixing ratio.....                      | 2 : 1 (by volume)  |
| ▪ Solids content.....                    | 55% (by volume)  |
| ▪ Typical film thickness (per coat)..... | 25 - 40 microns (dry)<br>50 - 70 microns (wet)   |
| ▪ Theoretical coverage.....              | 10 - 14m <sup>2</sup> / L @ 25 microns dry film thickness (dependant on colour)                                |
| ▪ Touch dry.....                         | 30 minutes   |
| ▪ Tack free.....                         | 3 hours  |
| ▪ Hard dry.....                          | 16 hours   |
| ▪ Full cure.....                         | 7 days   |
| ▪ Recoating.....                         | within 6 to 18 hours to ensure good intercoat adhesion<br>after 24 hours, sanding is required before recoating |
| ▪ Pot life.....                          | 1 hour (depending on temperature and level of thinner added)   |
| ▪ Gloss.....                             | Satin  |
| ▪ Colour.....                            | Range of standard colours– (Subject to minimum order requirement)  |
| ▪ Shelf life.....                        | minimum 12 months (in cool, dry conditions with unopened containers)   |

# Polycoat 221

## Surface Preparation

- Apply as soon as possible to freshly laid Epoxy or Polyurethane floor coating (within 12-24 hours of application)
- Beyond these times, light sanding will be necessary to ensure good intercoat adhesion
- Not suitable for application directly to bare concrete. Refer to recommendations in General Data above

## 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 low-speed mechanical mixer (350 RPM) to ensure even mixing
- Thinning is not normally required. Thin with Wagon Paints T1 PU Spray Thinner if necessary.

## Application

- Recommended for application by roller
- Small areas may be coated by brush
- **Roller**                    nap size.....5 - 10mm
- **Product must be applied at even film build to avoid gloss variations**
- **Cleaning solvent** ..... T1 PU Spray Thinner

**Caution:** Store Polycoat 221 Pack A & B in a cool, dry location. Do not allow water to contaminate the products. Atmospheric moisture will cause the Part B to solidify in the can if allowed excessive contact with air. Part full containers have limited storage stability. Must not be applied over damp surfaces. Do not apply when the air/surface temperatures are below, or are likely to fall below, 10°C or the relative humidity is above 70%.

## Maintenance

The service life of a floor will be considerably extended if good housekeeping practices are followed. Regular cleaning of "Polycoat 221" can be carried out using a mop, brush, or automatic rotary buffing / scrubbing machine, in unison with a mild alkaline detergent. Please refer Wagon Paints technical department for further information.

## Safety precautions

- **Refer to the relevant Material Safety Data Sheets 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 spraying, ensure adequate ventilation and wear appropriate protective clothing and equipment

<b>Pack A</b>	<b>Packaging Group III</b>	<b>UN No. 1263</b>
<b>Pack B</b>	<b>Packaging Group II</b>	<b>UN No. 1866</b>

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## Pack sizes

Pack size	30 litre kit
Pack A	1 x 20 litre
Pack B	1 x 10 litre

## 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. The addition of 'non-slip' aggregates may also influence frequency / severity of tyre squeal generated by vehicular traffic.**  
**Please refer to Wagon Paints technical department for further information.**

This product must be applied by an applicator approved by Wagon Paints. For a list of approved applicators, please contact:

Mr. Cameron O'Donnell  
Technical Representative – Flooring Products

**Mob**                    **0411 557 234**  
**B/H**                     **(03) 9729 1344**  
**Email**                 [codonnell@wagonpaints.com.au](mailto:codonnell@wagonpaints.com.au)

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 Rhino 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.

Authorised:            A. De Mello, Sales Manager

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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.



Wagon Paints

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