



# Rhino Linings®

**PREMIUM PROTECTION**



## Rhino ArmaFloor® WB Urethane

Revised Date: 19/03/2018

This TDS Replaces All Previous Versions

**SIDE-A – Resin      SIDE-B – Hardener**

### DESCRIPTION

Rhino ArmaFloor WB Urethane 4:1 is a 2-component waterborne polyurethane solution that produces a highly durable and clear coating (in both Matt and Gloss) for both indoor and outdoor applications. Rhino ArmaFloor WB Urethane 4:1 has excellent resistance to chemicals and stains and contains a UV stabiliser to improve protection against UV light. It is ideally suited for overcoating/finishing clear and pigmented floor coatings on a wide range of substrates, such as prepared concrete, masonry, pavers and slate sealing. Wood and some composites can also be coated with this product.

### FEATURES & BENEFITS

- Simple 2-pack mixing system at 4:1 ratio
- Ideally suited for protection of concrete and masonry, slate sealing and coatings for pavers
- Excellent chemical and stain resistance
- Excellent wear resistance
- Excellent scratch resistance
- Easy application
- Easy clean surface
- Produces a hard, yet clear film in both Gloss and Matt
- Added UV absorber improved protection against UV light (non-yellowing)
- Excellent resistance to weathering
- Has a low odour and wash up in water immediately after use

### TYPICAL USES

- Rhino ArmaFloor WB Urethane 4:1 can be used indoors and outdoors for the protection of concrete, including driveways and patios, masonry, sealing slate products and pavers, interior floors where a tough, stain resistant coating is desired. It can also be used to seal exposed aggregate surfaces to provide a wet look surface in both Gloss and Matt finishes

### NOT RECOMMENDED FOR

- Do not apply to concrete with curing or sealing membranes.
- Do not apply to substrates affected by moisture content in excess of 5%.
- Do not apply to concrete less than 28 days old.
- Do not apply to base concrete having a temperature less than 10°C or more than 35°C.
- Do not apply to concrete with a compressive strength of <25MPa
- Avoid applying in conditions that could cause condensation to form on the uncured coating; this includes high humidity (>85% RH) and being within 3°C of the dew point.
- Should not be used where the surface temperature exceeds 60°C.
- Low temperature & high humidity can cause amine bloom. Contact Rhino Linings Technical Department.
- Tyre staining may occur on the finished coating due to different tyre chemical compounds.

### TYPICAL PHYSICAL PROPERTIES

<b>Appearance:</b>	Clear, colourless, liquid
<b>Gloss Level:</b>	Gloss, matt (separate RESIN or A-sides, one Hardener or B-side)
<b>Odour Level:</b>	Low
<b>Solids Content (mixed):</b>	44%
<b>Pot Life:</b>	3 hours
<b>Touch Dry:</b>	40 to 60mins
<b>Full Cure:</b>	5 to 7 days
<b>Specific Gravity:</b>	1.07
<b>Recoat Window (before profiling required):</b>	6 hours

Theoretical values are listed. Actual values may vary depending on substrate condition, ambient temperature and humidity.

## MIXING

The components should be mechanically mixed at a medium speed allowing for no air entrapment. The sides and bottom of the mixing container should be scraped during mixing. This product is mass dependent and quantities greater than 4 Litres should be mixed with care.

## CHEMICAL RESISTANCE

Contact Rhino Linings technical/sales department for details.

## SURFACE PREPARATION

See Rhino Linings® Application Standards for full surface preparation instructions. Substrate should be clean, dry and free of oils and other contaminants. Rhino™ recommends diamond grinding to create a Concrete Surface Profile (CSP) of between 2 and 4 prior to the application. Old concrete floors previously contaminated with fats and oils should be tested for adhesion before application of epoxy compounds. **Acid or wet etching is not recommended.**

## THICKNESS / COVERAGE

Typically applied in two coats @150 micron per coat with a total dry film thickness of 200 microns, Coverage – Approximately 10m<sup>2</sup>/L per coat

## STORAGE & SHELF LIFE

Components should be stored in sealed containers in a dry area, between 15 and 25°C. Unopened containers have a shelf life of 12 months at 25°C

## COLOUR OPTIONS

Clear -Gloss & Matt

## BASE MATERIAL COLOURS

Resin – Milky  
Hardener – Clear

## VOLATILE ORGANIC COMPOUND

Low

## COMMON SUBSTRATES

Poured concrete, stamped concrete, exposed aggregate and other masonry surfaces. Timber, MDF, Particle Board and plywood as also able to be coated.

## APPLICATION INSTRUCTIONS

Apply using brush, roller or spray application. For optimum results apply two (2) coats. Depending on the desired finish use Gloss or Matt Resin (A-side) desired gloss level and should only be applied in thin coats at approximately 1Lt per 10 sqm and allowed to dry for at least 60 mins. The physical properties of the substrate will influence the number of coats required for the desired gloss and coverage level.

## SAFETY PRECAUTIONS

**Health Considerations: Consult the Rhino Linings Material Safety Data Sheets.**

This chemical system requires the use of proper safety equipment and procedures. Please follow the Rhino Linings product MSDS/SDS for detailed information and handling guidelines.

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