



Rhino ArmaFloor 500AU Polyaspartic floor coating (10ltr & 40ltr kits) is a two-component, rapid curing, hybrid polyurea (polyaspartic) coating system designed as a durable, fast install, rapid return to service system which is easy to maintain and looks great. Due to the product's aliphatic chemistry, it can withstand UV exposure without the colour shift seen with other coating systems such as epoxies. The Armafloor 500AU is a corrosion protection coating system that is non-yellowing and has excellent overall weathering capabilities. It can be rolled, brushed on or spray applied. With the addition of flake chips to add texture, tint flecked for decorative purposes or quartz granules for slip resistance this high-performance floor coating is the ultimate solution for residential and commercial flooring applications.

ArmaFloor 500AU characteristics:

- Very low VOC (Volatile Organic Compounds)
- Fast curing allowing rapid turnaround
- Light foot traffic within 2-4 hours, return to service within 24 hours
- Robust application window with ability to apply at low temperatures and high humidity
- Excellent abrasion and impact resistance. Very hard-wearing coating!
- Excellent chemical resistance
- Excellent UV resistance and high gloss characteristics
- Suitable for use in residential, business and industrial flooring applications
- Bonds to virtually all substrates, including metals, wood, concrete and fibreglass
- Ability to achieve high film builds reducing the number of coats required to reach required thickness
- Paint flakes (flaking) or tint flecking creates a highly decorative finish
- Quartz chip available for slip resistance

*Stock held in our Maddington warehouse for free next day delivery in the metropolitan area*



## **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%.
- Should not be used where surface temperatures consistently exceed 50°C.
- Do not apply to concrete less than 28 days old.
- Do not apply to base concrete less than 10°C or greater than 35°C.
- Avoid applying in conditions with high humidity.

## **MIXING & RECOAT WINDOW**

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.

- Mix ratio 1:1 by volume
- Pigment ratio 10% by volume of mixed product
- Maximum thinning 10% by volume of mixed product
- Dry Time 3-6 hours between coats depending upon ambient weather conditions.
- Recoat Time After 6 hours mechanically abrade (polyvac or sand) then wipe with acetone and recoat once the acetone has flashed off

## **CHEMICAL RESISTANCE**

Excellent resistance to many chemicals. For a 7-day immersion in:

Gasoline/Fuel/Brake Fluid/Skydrol/Coolant/Anti-Freeze/Ammonium hydroxide - No effect

## **SURFACE PREPARATION**

Substrate should be clean, dry (<5% moisture content) and free of oils and other contaminants. Rhino recommends diamond grinding or shot blasting for creating surface profile. Concrete Profile to be ICRI Standard CSP 2 to 4 prior to the first coat of ArmaFloor® 500AU. Old concrete floors previously contaminated with fats and oils should be tested for adhesion before application of polyaspartic compounds. Acid or wet etching is not recommended.

## **THICKNESS / COVERAGE**

If used as a solid colour coating, primer, & 2 pigmented coats are required.

Total thickness for a flake floor finish (3 coats) is typically 300 – 500 microns.

Coverage – Approx 5m<sup>2</sup>/L per coat

## **STORAGE & SHELF LIFE**

ArmaFloor® AF500AU components should be stored in sealed containers at 15°C -25°C in a dry area and on pallet racks.

Unopened containers have a shelf life of 12 months.

## **COLOUR OPTIONS**

Natural Colour - Clear

Decorative Flake (paint chips – small: see Rhino Colour Flake Selection Chart for more details)

Tinted Fleck – 46 coloured tinters ‘flecked’ via hopper gun onto the finished surface