

Rhino ArmaFloor 300 ECO

Technical Data Sheet

A-Side - ArmaFloor 300 ECO

B-Side - ArmaFloor 300 ECO

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DESCRIPTION:

ArmaFloor 300 ECO is a pigmented, waterborne, two-component, rapid curing, epoxy coating system designed as a durable coating for floors and other applications. High toughness and strength are characteristics of this coating system which also exhibits good resistance to hot tyre peel in garage and the like.

Formulated with low viscosity, this ambient cured resin system is grey in colour and is ideal for floors where speed of application is an important factor. ArmaFloor 300 ECO is a 3:1 mix ratio system (by weight) with sufficient pot life (25mins) to be rolled using standard application equipment.

FEATURES & BENEFITS:

- Fast cure allowing rapid turnaround time; under normal conditions, return to service within 24 hours.
- Robust application window with ability to apply at low temperatures and high humidity.
- Excellent abrasion and impact resistance.
- Excellent chemical resistance.
- Bonds to virtually all substrates, including metals, woods, concrete, and fibreglass.
- Low VOC's; environmentally friendly.

APPLICATIONS:

- Excellent durability and aesthetics for floor, equipment and other coatings including:
 - Garage floors
 - Laboratories
 - Restaurant floors
 - Airplane hangars
 - Entry and lobby areas
- Creates a durable, seamless lining which conforms to any shape and size.
- Only appropriate floor cleaners should be used (contact Rhino Linings Technical Dept. for details).

CONDITIONS TO AVOID:

- Do not apply to concrete less than 28 days old and having a minimum Comp. strength of 25MPa.
- Do not apply to concrete with curing or sealing membranes.
- Do not apply to base concrete at a temperature less than 12°C.
- Do not apply to substrates affected by moisture content in excess of 5%.
- Should not be used where temperature exceeds 60°C.

TYPICAL PHYSICAL PROPERTIES (>24degC):

Adhesion to Concrete	> 1.5MPa
Elongation (%)*	6 to 8%
Tack Free time	1 hour
Work Time	1 hour
Taber Abrasion Resistance	90-92
- (mg of loss/1000 cycles) CS17 Wheel; 1000 grams weight	
Flash Point	Non Flammable
Application Temperature	10 to 35°C
Re-coat Time	4 to 12 hours (Max recoat time 36-48 hrs @ 20°C).
Maximum recoat time	48 hours after which abrasion is required
Heat Resistance	up to 115°C dry heat for short periods
Acid resistance	Resistant to splash of diluted acids followed by clean-up
Alkalis resistance	Resistant to splash of most alkalis followed by clean-up
Solvent resistance	Resistant to splash of most solvents followed by clean-up
Clean up	In water
Volume Solids	50%

SURFACE PREP OF ArmaFloor 300 ECO:

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 or shot-blasting for creating surface profile. **Acid or wet etching is not recommended.**

THICKNESS:

ArmaFloor 300 ECO is typically applied in two wet coats @100 to150 micron per coat with a total dry film thickness of 125 micron. Coverage is approximately 1 Litre = 4sqm (two coats). See Rhino representative for your specific application.

STORAGE & SHELF LIFE:

ArmaFloor 300 ECO components should be stored in sealed containers at 16⁰C to 32⁰C in a dry area.

A-Side: Twelve months, unopened, stored properly

B-Side: Twelve months, unopened, stored properly

COLOUR OPTIONS:

Colour - Grey

Other colours available on request by special order.

SAFETY PRECAUTIONS:

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

The uncured components of ArmaFloor 300 ECO can cause irritation to the eyes, skin, and mucous membranes and are harmful if swallowed. When handling, avoid contact with eyes and skin (especially open cuts). In case of contact, immediately wash off with plenty of water for at least fifteen (15) minutes. For eyes, obtain medical attention. Always wash hands before eating. Obtain immediate medical attention in case of ingestion.

ArmaFloor 300 ECO contains some products that may cause allergic skin. When applying ArmaFloor 300 ECO, have adequate fresh air supplied to the area concerned, i.e. the area should be well ventilated. In case of extreme exposure or adverse reaction, remove affected personnel to fresh air immediately and obtain medical help.

Important: Consult the Rhino Linings Material Safety Data Sheets.

Read and follow warning labels on all components. For professional use only. Follow cautions and handling guidelines in Rhino Linings Technical Reference Manual. The information herein is believed to be reliable, but unknown risks may be present. All warranties of any kind, express or implied, including warranties of fitness for a particular purpose, are specifically disclaimed.

For Your Protection:

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning the products and their uses, applications, storage and handling are only the opinion of Rhino Linings Corporation. Users should conduct their own tests to determine the suitability of these products for their own particular purposes and of the storage and handling methods herein suggested. The toxicity and risk characteristics of products made by Rhino Linings Corporation will necessarily differ from the toxicity and risk characteristics developed when such products are used with other materials during a manufacturing process. The resulting risk characteristics should be determined and made known to ultimate end-users and processors. Because of numerous factors affecting results, **Rhino Linings Corporation makes no warranty of any kind, express or implied**, other than that the material conforms to its applicable current Standard Specifications. Rhino Linings Corporation hereby disclaims any and all other warranties, including but not limited to those of merchantability or fitness for a particular purpose. No statements made herein may be construed as a representation or warranty. The liability of Rhino Linings Corporation for any claims arising from or sounding in breach of warranty, negligence, strict liability, or otherwise shall be limited to the purchase price of the material.

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