



Rhino Linings®
PREMIUM PROTECTION



Rhino ArmaFloor 200SC

Revised Date: 28/05/2019

This TDS Replaces All Previous Versions

A-SIDE – Resin B-SIDE – Hardener

DESCRIPTION

AF200SC -20ltr kit is a two-component (4:1 mix ratio), 100% solids, solvent free, rapid curing, scratch or skim Coat epoxy coating system designed as a thin build yet durable coating system for floors and other applications. It can also be used as a Self-Levelling or High Build coating system by the addition of Silica sand or Silica Flour. Alternatively, Can be used as a primer system for the AF400UHS and Metal Fusion Epoxy flooring range. Formulated with low viscosity, this ambient cured resin system is clear in colour and is ideal for base coating of floor areas where cost of materials and speed of application are important factors.

FEATURES & BENEFITS

- Excellent adhesion to prepared substrates
- Excellent Coving system when mixed with silica sand
- Excellent for high build applications
- Low viscosity
- Creates a durable, seamless lining which conforms to any shape and size, fills holes.

TYPICAL USES

- Excellent durability as a prime/base coat for ArmaFloor 400UHS and Metal Fusion Epoxy floor coatings:
 - Garage floors
 - Laboratories
 - Restaurant floors
 - Airplane hangars
 - Entry and lobby areas

NOT RECOMMENDED FOR

- Do not apply to concrete less than 28 days old.
- Do not apply to concrete with curing or sealing membranes.
- Do not apply to base concrete at a temperature less than 10°C or greater than 35°C.
- Do not apply to substrates affected by moisture content in excess of 5%.
- Should not be used where surface temperatures consistently exceed 50°C.
- Avoid applying in conditions with high humidity.
- **NOTE** – Substrate temperature **must** be 3°C above the dew point prior to application.
- Low temperature & high humidity can cause amine bloom. Contact Rhino Linings Technical Department.

TYPICAL PHYSICAL PROPERTIES (@25°C/50%RH)

Adhesion to Ground Concrete (CSP 2 to 4)	> 1.5MPa
Elongation (%)	8%
Taber Abrasion Resistance	88-91
- (mg of loss/1000 cycles) CS17 Wheel; 1000 grams weight	
Flash Point	Non-Flammable
Application Temperature	10 to 35°C
Work Time (Standard)	≤ 1 hour @ 25°C
Work Time (Rapid)	≤ 1 hour @ 15°C
Tack Free time	approx. 1 hour
Cure Time	8 hrs min.(dependent upon ambient conditions – please test)
Re-coat window after application	Between 12 to 24 hours @ 25°C after which abrasion is required
Heat Resistance	Up to 110°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	Rhino ArmaFloor Thinner
Volume Solids	100%

MIXING

The system has been colour enhanced for ease of identification of working time which allows easy viewing of any air entrapment and ensures that the hardener has been fully mixed with the Resin. Mixing Ratio is by VOLUME (not weight) and should be 4 parts A-Side (Resin) to 1 part B-Side (Hardener).

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 PREP

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 to create a Concrete Surface Profile (CSP) of between 2 and 4. Test for rising damp or back water pressure before application as adhesion failure is likely to occur if this is present. 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

AF200SC is typically applied in one roll coat. Total coating thickness as a prime coat is typically 80 microns to 150 microns. It can also be used as a high build or self-levelling system by adding fillers (approx. 5 parts fillers to 1-part mixed product). It can fill from minimum 4mm up to 20mm maximum. See a Rhino representative for your specific application. Coverage- Approximately 6²m/L per coat.

STORAGE & SHELF LIFE

AF200SC components should be stored in sealed containers at between 15°C to 25°C in a dry area. Unopened containers have a shelf life of 12 months at 25°C.

COLOUR OPTIONS

N/A

BASE MATERIAL COLOURS

Resin – clear

Hardener – amber/dark brown

VOC (VOLATILE ORGANIC COMPOUND)

Low

SAFETY PRECAUTIONS

Health Considerations:

For professional use only. Follow cautions and handling guidelines in Rhino Linings Safety Data Sheet. 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.

Hazard Statement:

A-Side Resin

H302 Harmful if swallowed
H332 Harmful if inhaled
H315 Causes skin irritation
H319 Causes serious eye irritation
H317 May cause an allergic skin reaction
H411 Toxic to aquatic life with long lasting effects
AUH019 May form explosive peroxides

B-Side Hardener

H290 May be corrosive to metals
H302 Harmful if swallowed
H312 Harmful in contact with skin
H314 Causes severe skin burns and eye damage
H317 May cause an allergic skin reaction
H412 Harmful to aquatic life with long lasting effects

Precautionary Statement: Use in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Take off contaminated clothing. Wash contaminated clothing before use. IF ON SKIN: Wash with plenty of water and soap. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing and seek medical advice/attention. If skin irritation or rash occurs seek medical advice/attention. Dispose of contents/container in accordance with local regulations.

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 Australasia. Users should conduct their own tests to determine the suitability of these products for their own purposes and of the storage and handling methods herein suggested. Because of numerous factors affecting flooring results such as ambient temperature and humidity, substrate temperature and application rate, **Rhino Linings Australasia makes no warranty of any kind, express or implied**, other than that the material conforms to its applicable current Standard Specifications. The liability of Rhino Linings Australasia 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.