



Rhino Linings®

PREMIUM PROTECTION



Rhino ArmaFloor® 400UVS

Revised Date: 12/06/2020

This TDS Replaces All Previous Versions

SIDE-A – Resin

SIDE-B – Hardener

DESCRIPTION

ArmaFloor® 400UVS – 12ltr kit is a two-component high gloss (2:1 mix ratio) 100% solids heavy duty epoxy clear finishing coat. For use as a clear coating system over various floor finishes in Industrial, commercial, or residential applications.

FEATURES & BENEFITS

- Excellent adhesion to prepared substrates
- Dries clear
- Low viscosity
- Simple mix ratio 2:1 by volume
- 100% solids
- Low VOCs
- Gloss finish
- Can be thinned with Rhino Thinners
- Can be applied up to 1mm thick

TYPICAL USES

- Excellent durability and aesthetics for floor coatings including:
 - Retail shops and commercial applications
 - Food processing plants
 - Vehicle workshops
 - Construction and mining industry
 - Warehouses and workshops
 - Chemical and oil industry
- Over
 - Polymer based cement screeds
 - Rhino Metal Fusion
 - Cement based self-levelling systems
 - Vinyl and acrylic paint flakes
 - Coloured quartz
 - Self-levelling epoxies and coatings
 - Terrazzo & synthetic terrazzo
 - Ground exposed aggregate flooring
 - Only appropriate floor cleaners should be used (contact Rhino Linings Technical Dept for details)

NOT RECOMMENDED FOR

- ArmaFloor® 400UVS is not suitable for external use or other areas of high UV exposure
- Avoid working in conditions that could cause condensation to form on the uncured coating (for example high humidity or when the temperature is within 3°C to the dew point) as it can interfere with subsequent intercoat adhesion. If the surface is affected in this manner, it will require abrading prior to recoating.
- 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 less than 10°C and more than 35°C
- Do not apply to substrates with a moisture content higher than 5%
- Should not be used where temperatures exceed 60°C
- Rhino ArmaFloor 400UVS should not be specified for external or indirect (not screened by glass) sunlight application, or other areas of high UV radiation exposure
- 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.
- Tyre staining may occur on the finished coating due to different tyre chemical compounds.

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

Application Rate	2:1 by volume
Tack Free time	6 hours @ 25°C
Recoating Time	16-24hours @ 25°C
Application Temp	10 – 35°C

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 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 for creating a surface profile. 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

ARMAFLOOR® 400UVS is typically applied in two wet coats @100 to150 micron per coat with a total dry film thickness of approx 300 microns.

Coverage – Approx 6m²/L per coat

STORAGE & SHELF LIFE

ARMAFLOOR® 400UVS components should be stored in sealed containers in a dry area. Do not store product below 10°C. Unopened containers have a shelf life of 12 months at 25°C

COLOUR OPTIONS

Clear

VOC (VOLOILE ORGANIC COMPOUND)

Low

SAFETY PRECAUTIONS

Uncured components of ArmaFloor® 400UVS 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.

Call a Doctor or Poisons Information Centre if swallowed.

ArmaFloor® 400UVS contains some products that may cause allergic skin. When applying ArmaFloor® 400UVS have adequate fresh air supplied to the area concerned, ie the area should be well ventilated. In case of extreme exposure or adverse reaction, remove affected personnel to fresh air immediately and obtain medial 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.

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