

Rhino ArmaFloor™ 100

Technical Data Sheet

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DESCRIPTION

Rhino ArmaFloor™ 100 is a high performance, environmentally friendly industrial flooring solution. ArmaFloor™ 100 is a self levelling, 100% solids (solvent free) system designed to withstand a high degree of impact, abrasion and chemical exposure often found in industrial and commercial flooring applications. Rhino ArmaFloor™ 100 provides a hard wearing, hygienic, seamless floor. Rhino ArmaFloor™ 100 can also be used as a high strength concrete patch repair system for concrete substrates.

FEATURE & BENEFITS:

- Supplied in easy to use pre-weighed kits. Simply combine pre-weighed components.
- Solvent free – environmentally safe.
- Excellent flow and self-levelling capabilities.
- Excellent chemical resistance
- Excellent abrasion resistance
- High Compressive strength.
- Low odour.
- Excellent stability under large temperature changes.
- Good flexibility.
- Versatile application options.

APPLICATIONS:

- Warehouse / factory flooring – Resurfacing and re-levelling of damaged floors.
- Patch repair and filling of damaged concrete.
- Commercial Workshops
- Hospitals
- Commercial showrooms
- Schools
- Laboratories
- Abattoirs

PHYSICAL PROPERTIES:

Rhino ArmaFloor™ 100 when blended with clean, dry silica quartz at a ratio of 2 quartz to 1 Armafloor™ 100 will result in a compressive strength of approximately 80 – 85mpa. The more silica quartz that is added as a ratio to ArmaFloor™ 100 the lower the compressive strength will be.

PROCESSING CHARACTERISTICS:

Thoroughly stir both the A and B side components prior to blending. Use a power stirrer to mix the A and B components in a clean container. Avoid inducing air. Do not cross contaminate products – use clean stirrers for both the A and B sides. If adding quartz aggregates add slowly whilst stirring until desired consistency is achieved.

Mix Ratio	3 parts resin to 1 part hardener
Pot Life	Depending on ambient temperature approx 30 mins
Tack Free time	Approx 6 hours
Cure Time	24 hours
Application temperature range	5 – 30 degrees C
Shelf Life	9 months in un-opened containers.

APPLICATION:

When used to resurface and / or re-level concrete floors 1 Litre of Rhino ArmaFloor™ 100 is mixed with approximately 2-3 Kg of clean dry silica sand or silica flour to make a smooth trowelable slurry. Adjust aggregate ratio if necessary depending on application. Larger 2 – 3mm aggregates can be used where very high build applications are required (5mm +). The slurry should be spread across the floor using a notched trowel and then back rolled with a spiked roller to assist in de-airing.

When used as a patch repair material ArmaFloor™ 100 can be mixed with clean dry silica sand at a ratio of approximately 6 parts sand to 1 part ArmaFloor™ 100.

For heavy industrial applications Armafloor™ 100 can be “top dressed” with suitable slip resistant aggregates prior to curing to provide a heavy duty slip resistant, seamless floor. The ArmaFloor™ 100 and aggregate should then be sealed using Armafloor™ 100.

COVERAGE:

Coverage rates will vary depending on how ArmaFloor™ 100 is being used. As a guide only when used as a trowelable slurry mix incorporating quartz aggregate at a ratio of 3 litres by volume of quartz aggregate to 1litre of ArmaFloor™ 100 approximate coverage will be 1m² at 3mm thick.

CLEAN UP:

Use Xylene prior to ArmaFloor™ 100 hardening.

STORAGE:

Store in a well ventilated, dry place away from direct sunlight. Containers should be sealed tightly and part containers should be re-sealed with a nitrogen blanket.

IMPORTANT NOTICE:

All surfaces can become slippery and potentially dangerous when wet. Incorporating slip resistant aggregates is recommended by Rhino Linings Australasia Pty Ltd, however there is no guarantee that slip falls will not still occur. Rhino Linings Australasia Pty Ltd and / or its employees and associates make no representation whatsoever as to the slip resistance or otherwise of any Rhino Linings product used in flooring applications and it is the sole responsibility of the customer to ensure the suitability and safety of its floors. Rhino Linings Australasia Pty Ltd assumes no responsibility for slip – fall accidents.

SAFETY PRECAUTIONS:

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 Manual. The information herein is believed to be reliable, but unknown risks may be present. All warranties of any kind, expressed 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 Australasia Pty Ltd. 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 Pty Ltd 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 Australasia Pty Ltd makes no warranty of any kind, express or implied**, other than that the material conforms to its applicable current Standard Specifications. Rhino Linings Australasia Pty Ltd 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 Australasia Pty Ltd 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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