

RhinoPrime SP150

Technical Data Sheet

Date Issued: April 2007
Revised Date: 01 April 2015

DESCRIPTION:

RhinoPrime SP150 primer is a highly moisture tolerant priming system designed to prime and seal concrete in preparation for coating with Rhino Linings elastomeric polyurethanes and polyureas. RhinoPrime SP150 is a solvent based priming system able to be applied over concrete, timber, and bitumen surfaces that are still damp from activities such as water blasting. RhinoPrime SP150 primer displays excellent resistance to caustic solutions, dilute acids, fats and petroleum oils making it suitable for immersion and containment applications

SUBSTRATE PREPARATION:

Concrete substrates should be free from oils, grease, form-release, curing agents and other surface contaminants including concrete latents.

Acid etching, shot blasting and concrete grinding may be used to achieve this, followed by water blasting to remove acid residue, loose particles and dust respectively.

Note: Whilst concrete can be damp when priming, it is recommended to allow the substrate to dry as much as possible before applying primer. Do not apply over ponding water or hydrostatic head.

STORAGE

Store in cool dry place away from direct heat sources. Ensure partly used containers are tightly sealed.

MIXING INSTRUCTIONS:

Pre-mix side 'B' thoroughly with a mechanical stirrer as components will settle with time. Side 'A' can be shaken or hand stirred. Then mix 'A' and 'B' together at ratio of 1:1 by volume and mechanically stir.

APPLICATION:

RhinoPrime SP150 primer can be sprayed, rolled or brushed onto the substrate. Spray and Roller applications can be diluted up to a maximum of 1 part methylated spirits (25%) to 3 parts of mixed RhinoPrime SP150 particularly for the first coat on porous substrates.

All those handling this material should be fully conversant with the relevant M.S.D.S.

On concrete, RhinoPrime SP150 primer should be applied so that the concrete is sealed (Wet Film Thickness of 65-100 microns depending on profile). Application rates will vary depending on the substrate and the application method chosen. As a guide, a single application on concrete will require 1 L of mixed RhinoPrime SP150 per 6 square metres. On a second application 1 L of mixed RhinoPrime SP150 will cover approximately 10 square metres.

RhinoPrime SP150 primer is only applied by authorised Rhino Linings Industrial Applicators in strict accordance with procedures supplied by Rhino Linings. Correct substrate preparation is essential for optimum coating performance. Contact technical service personnel for full substrate preparation, priming and coating specifications.

RECOAT WINDOW

Substrate is to be primed and sprayed in the same day. Only prime what you think you will be able to coat that day. If coating cannot be carried out in the same day, then a light sand, solvent wipe and a single recoat of primer will have to be carried out.

To gain a mechanical adhesion as well as a chemical attachment lightly broadcast silica sand into the wet primer.

TYPICAL PHYSICAL PROPERTIES OF RhinoPrime SP150:

Solids by volume:	80%
Solvent	Can be diluted using Methylated Spirits
Mix Ratio:	1:1 volume
Coverage per litre	6 - 10 sqm/l
Pot Life:	Approx 20-30 minutes
Over coat:	2-6 hours – temperature dependent
Clean up:	MEK
Thinner:	Methylated Spirits
Shelf Life:	12 months

SAFETY PRECAUTIONS OF RhinoPrime SP150

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

The uncured components of RhinoPrime SP150 can cause irritation to the eyes, skin, 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. In case of extreme exposure or adverse reaction, remove affected personnel to fresh air immediately and obtain medical help.

Store and transport according to regulation.

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, 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 suggested. The toxicity and risk characteristics of products made by Rhino Linings Australasia 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 of 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.

©2015 Rhino Linings Australasia Pty Ltd. All rights reserved.



Rhino Linings Australasia Pty Ltd
501-505 Olsen Avenue, Molendinar Qld 4214 Australia
Ph: +61 7 5585 7000 ~ Fax: +61 7 5539 6399

Rhino Linings USA, Inc. ° Rhino Linings of Canada, Inc. ° Rhino Linings Latin America, ° Rhino Linings Europe