

RhinoSpeed™ Quartz is a slurry broadcast system.

OVERVIEW

Prepared Surfaces to be coated should be sound and provide adequate strength for the proposed end use. If in doubt, check the integrity with a bond tester - minimum requirement is 220 psi. Remove any surface laitance and achieve desired profile by means of shot blasting. The surface profile for this system should be CSP 3-4. The concrete substrate moisture vapor transmission (MVT) should not exceed 5 pounds per 1000 ft² over 24 hours when tested prior to application. Use RhinoSpeed™ AP for ceramic tiles, metal surfaces, and for asphalt. Irregularities, substrate damage, and cracks should be filled. Contact Rhino Flooring™ for advice if there are suspected contaminants.

OUTLINE SPECIFICATION

RhinoSpeed™ SP at approx. 80 -130 sq ft/gal dependent on substrate porosity.

RhinoSpeed™ SB Slurry at approx. 50 sq ft/mix.

Broadcast to refusal with RhinoFloor™ Color Quartz at approx. 0.75 lb/sq ft.

RhinoSpeed™ SS at approx. 80 sq ft/gal as grout coat.

RhinoSpeed™ SS at approx. 130 sq ft/gal. as seal coat.

RhinoSpeed™ SB slurry mix consists of 2 gallons of RhinoSpeed™ SB, mixed with 42lbs of SL Filler and an optional addition of Universal Color Pack (16oz.) or Pigment Pack.

***Addition of filler for thicker applications can reduce coverage rates significantly.*

SEALER OPTIONS

The above specification is an example of a typical build up. Different profile properties can be achieved by use of additional seal coats. Application of only 1 coat of RhinoSpeed™ SS will produce a much stronger texture and therefore increase the slip resistance of the system in wet conditions. For a flexible sealer and for external applications, use RhinoSpeed™ FS.

REPAIRS

For unacceptable substrate defects: Mix RhinoSpeed™ SB with BPO Hardener according to the above table and add approximately 1 bag of SL Filler per 1 ½ - 2 gallons of RhinoSpeed™ SB to achieve a pourable mortar. Do not over-fill with aggregate as it could result in uncured resin.

NOTES

RhinoSpeed™ products are multiple-component systems. Poor mixing, or incorrect mixing procedures, can cause inferior results. The temperature of the substrate should exceed the dew point by more than 5°F during application and hardening. RhinoSpeed™ resins are fast curing materials and have a limited pot life. In hot climates, avoid application during the hottest times of the day.

BPO HARDENER ADDITION

For lower temperatures, the BPO Hardener must be increased and decreased for higher temperatures. The table below provides a simple guide to the recommended addition rates. Typical tack free time will be approximately 30 minutes dependent on the % catalyst added.

PRIMER APPLICATION

Dependent on broadcast choice, RhinoCrete™ SL can be top coated with a variety of pigmented or clear epoxies and urethanes for desired finish and UV Stability if needed. Decorative flakes can be added for desired look (SLF).

SLURRY APPLICATION

Stir the RhinoSpeed™ SB resin to re-disperse any separation in the liquid during transport. Decant enough material that can be applied and finished within 10 minutes. Add the Pigment or Universal Color Pack (16oz.) into RhinoSpeed™ SB, mix until fully dispersed, add SL Filler and mix well. Finally, add the BPO Hardener using the guide above. Mix the BPO Hardener into the resin powder blend until dissolved, typically 1 minute. Apply the mixed product by saw toothed rake or trowel at the required coverage rate and spike (porcupine) roll to achieve a smooth finish. Fully broadcast with RhinoFloor™ Color Quartz ensuring full coverage and no dry areas. The compound should harden for at least 40 minutes before removing the excess quartz, then scrape to remove high spots (ideally done at least 1 hour after application). Remove all loose quartz and dust.

GROUT COAT APPLICATION

Prior to use, the RhinoSpeed™ SS must be carefully stirred to achieve a uniform distribution of the paraffin wax contained in the product. Add the required amount of BPO Hardener using the guide above and mix together thoroughly, typically 1 minute.

Immediately after the BPO Hardener has been stirred in, the RhinoSpeed™ SS is poured onto the prepared surface in ribbons and spread with a squeegee or medium pile roller, then back rolled, to achieve the required coverage rate and fully seal the prepared surface. It is important to work with freshly mixed material. Catalyze smaller batches if necessary. Materials shall be spread and rolled immediately. Allow to fully cure (45 mins) and scrape again to remove high spots.

SEALER COAT APPLICATION

Mix and apply RhinoSpeed™ SS as described above.