



FlexCoat  
Bellagio Hotel, Las Vegas  
Courtesy of Lynco

There are four features that make **SealBoss® FlexCoat** unique:

1. Fast chemical cure without external moisture present
2. Various fillers can be added at a high rate to increase thickness, hardness and to lower material cost
3. Apply at any thickness, use as a mortar
4. Super Flexible and Durable

These features of the SealBoss® FlexCoat system result in simplicity, versatility and economy.

SealBoss® FlexCoat membranes can be used in a wide variety of applications ranging from our normal walking deck systems, which use rubber granules for slip resistant surfaces to bare membrane under structures to waterproof and protect the concrete and rebar. SealBoss® FlexCoat membranes provide waterproof surfaces outdoors, rustproof & flexible decking systems on ships and thick seamless Mono-Mat Systems that provide sanitary cushioned flooring for zoo and veterinary uses. Contractors may use cementitious "knock-down" splatter coats and decorative-pattern acrylic systems on top of FlexCoat membranes when reliable waterproofing is needed underneath. A sand surface may be applied on top of the membrane for bonding purposes to the thin set mastic and tile.

### How to...

When SealBoss® FlexCoat is mixed, you have about 15 minutes to apply the mixed material while it flows freely and self levels. On large jobs that will require multiple mixing cycles. The mixer person must time the batches to keep a wet edge and not get ahead or behind the applicators. The rule of thumb when applying SealBoss® FlexCoat is 'The quicker the better!' Don't hesitate. You can detail before and after the membrane is applied. The quicker it goes down, the better the material will lay out and smoothly self-level. At

70°F the cure time will be about 4 to 5 hours.

### Adding filler

SealBoss® FlexCoat can be thickened with rubber granules or sand in order to use it in some really unique and very cost effective applications.

A sand and SealBoss® FlexCoat mixture of up to 1 to 1 by volume is recommended for filling surface spalling and general patching. By adding 2 or 3 units of sand, with corresponding per unit cost savings, you can mix a stiff enough batch to form a sloping angle. If the deck flexes, the Sand Slurry will not crack or delaminate under the membrane like a cementitious or epoxy material would. This works well on plywood and even twisting ship decks. As a joint system, SealBoss® FlexCoat is used in the expansion joint before applying the membrane. The joint may still be visible as it expands and contracts, but the edge wear and edge leakage are eliminated. Rubber granules added to SealBoss® FlexCoat create a more flexible system than sand. The use of rubber granules is superior over sand in many high foot-traffic applications such as ski resort decks. The regular sand textures do not hold up to ski boot wear & tear, whereas rubber texture will last longer because it will grip, flex and snap back when the hard ski boots strike the surface. Also the rubber texture is also much quieter to walk on. Rubber granules also speed up the application process because they can be broadcast onto the wet membrane and not tend to sink into it as sand will. Even if some rubber sinks in, it is rubber into rubber, and will not break down and cause failure as sand in the membrane can. Added with filler the product can be used as a quick set caulking or sloping material. Since SealBoss® FlexCoat is an internally curing material it can be covered with the next application step as soon as cured firm enough to accept the next coating. You can cover up walls, patch cracks, tape joints, create slopes to drain and then immediately apply the membrane application. The materials will bond to each other and cure out as one flexible and monolithic unit. This really



speeds up total completion time. Remember, time is money!

### Priming

Apply the primer uniformly, but sparingly, with no puddles and allow to cure until slightly tacky. Hint: because the primer does not sink into metal flashing like it will with plywood and concrete, it will take longer for it to become tacky. Metal is harder to prime because the primer does not penetrate, so prepping the metal areas is very important. Most deck problems occur at the flashing details. Rough-sand flashing metal for optimum bond.

### Prepping And Detailing A Deck

Level and fill all nail & screw depressions and detail smooth wood to metal transitions with tape and a thickened mixture of SealBoss® FlexCoat is used in the expansion joint before applying the membrane. Mix thick or thin as needed for patching or coving. Use the a SealBoss® FlexCoat Sand Slurry to fill large voids, sloping to drain or ramping up several inches for wheelchair access to door sills. This makes a flexible sloping and filling material that will not crack with substrate movement. Shape with a wood float and finish with a steel trowel lubricated with approved solvent.

### Broadcasting Texture Granules

The rule of thumb is that the more slip resistant a surface, the harder it is to clean. Ski resorts usually want very aggressive surfaces and home owners want surfaces that are easier to keep clean. On pitching fishing boat decks coarse aluminum oxide may be back rolled into the colorcoats for maximum slip resistance. Many different surface treatment options can be used on SealBoss® FlexCoat Membranes. A waterproof membrane under tile can be created. Cementitious 'Splatter Coats' and cementitious design pattern systems are sometimes used on top of the membranes. Another interesting texture option finding a very strong acceptance in the veterinary Mono-Mat market is using rubber texture granules mechanically sanding off their sharp tips. This leaves a truncated cone effect that provides a surface which is much easier to clean and maintain in animal habitats. It is actually "mop-able". It looks like a fine rubber "knock-down" finish and provides a nice random-design surface that will stand up to much harder usage than a smooth membrane with only a colorcoat finish. It is also easy on bare feet, such as for an above-grade swimming pool surround on a rooftop which must be waterproofed. The method is simple. The membrane and rubber granule system is applied as usual. One colorcoat is applied and allowed to dry. Then the rubber granules can be sanded down with a belt sander with a very coarse grit sanding belt, or by hand in corners and around details. You cannot sand the rubber texture granules until they are set in

place with a colorcoat application. They are just too flexible to sand without the colorcoat. Then the second colorcoat is applied for the final surface coat. When the rubber granule surface is specified, wait until the membrane starts to set-up and then broadcast to excess. Save the recovered granules for reuse. A 55 lb bag of rubber may broadcast about 250 sq. ft. to excess. A recovery of about 1/3 of the rubber is about normal.

### SealBoss® FlexCoat Colorcoats

Colorcoats are moisture cured. Never add water. To assure color uniformity, thoroughly mix the product prior to use. Apply with a paint roller using "cross-hatched" strokes to achieve a well bonded and even coat. Apply at the specified spread rate.



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