

DESCRIPTION

Skraffino is a Portland cement based micro-topping / overlay that is ideal for horizontal as well as vertical surfaces and also interior and exterior surfaces. It can be applied at paper-thin thickness. Numerous decorative effects can be achieved through the creative use of a trowel, sponge, roller or spray unit. It provides a fast solution for integrally coloring and resurfacing an interior or exterior concrete. Also, it is a cost effective solution for resurfacing new or old concrete, broomed, trowelled or creating a multi-layered weathered fresco finish. Skraffino has been designed accept powder or liquid pigments, acid stains or dyes.

ADVANTAGES

- Superior bond to various types of substrates
- Superior abrasion resistance
- High compressive strength
- Designed to be burnished
- Accepts various coloring systems – acid stains, integral colors or dyes
- Economical and cost effective
- Excellent freeze-thaw stability

SUBSTRATE REQUIREMENTS

- Clean the areas and remove all unsound concrete, grease, oil, paint, asphalt, tar and any other foreign materials that will inhibit performance.
- Substrates must be stable, solid and structurally sound.
- Substrate must be mechanically profiled by shot-blasting, sand blasting or scarifying to achieve a CSP 4 to CSP 5.
- For applications over cutback adhesive residue, wood surfaces, non-porous substrates such as terrazzo, ceramic and quarry tile, burnished concrete, epoxy coatings, painted surfaces and metal, please contact Duraamen's technical staff.
- Movable expansion or control joints must be reflected through Skraffino.
- Prior to priming allow surface to dry thoroughly to prevent dilution of the primer.
- On or below grade installation must have an efficient vapor barrier under the slab (min 10-15 mil).
- Moisture vapor transmission must be less than 3lb per ASTM F1869 and less than 80% RH per ASTM F2170 unless Duraamen moisture mitigation system is used.

NOTE: When removing existing flooring, any asbestos containing materials should be handled and disposed of in accordance with applicable federal, state and local regulations.

INSTALLATION STEPS

PRIMING

- Prime all the surfaces with CP1000 acrylic activator. DO NOT DILUTE CP1000. It must be applied over entire substrate that is at least at 10°C
- Apply with a garden sprayer, and then spread with a broom or mop to assist complete coverage and penetration.
- Two coats of primer are essential. The first coat should be applied the day prior to installing the overlay, then the second on commencing next morning. Once the milky look has completely disappeared the surface is ready for Skraffino.
- Installing Skraffino before the second coat is dry-to-touch may result in bleed and varying white marks on the finished surface.
- For two primer coats allow 19L of CP1000 per 93m². However this amount can vary considerably according to surface porosity.

NOTE: An incorrectly primed surface may result in pinholes in the Skraffino and cause accelerated and incomplete hydration. The overlay must be no longer than 4 hours after the application of second coat.

MIXING & INSTALLATION

- Place CP1000 into clean garbage can for easy access. Always activate Skraffino with pure CP1000.
- Skraffino liquid levels are adjustable +/- 10%. However, remember to be consistent. We recommend 4.6 liters of CP1000 to activate 1 pail of Skraffino.
- Using the liquid measuring bucket (pre-cut to 4.6 liters), dip and fill to the pre-cut level and pour into a clean 6ga mixing bucket.
- Add integral colors (Colorfast or Aqua Color) if required into a 5ga mixing bucket and spin for 2- 5 seconds.
- Place 2/3rd of Skraffino powder into the mixing bucket and spin with liquid for 30 seconds using a slow speed drill and paddle attachment.
- Place remaining powder into the bucket and mix thoroughly for 60 seconds to disperse all ingredients to a pourable consistency. The volume of liquid added is very critical, always use the measuring bucket provided and slightly adjust if necessary with +/- small measuring cup.

NOTE: Skraffino can be used over long periods of time, re-temper by adding a small amount of CP1000 if necessary. However, this could cause a color shift.

- Skraffino is usually applied in two thin coats using a magic trowel or steel trowel. Contractors should perfect their finishing techniques to produce the desired surface.

- The first coat must be applied ultra thin, do not worry about the scratch marks as these will be covered with the second application. When applying the second coat only pour a small amount out onto the surface, do not waste time and energy moving large amount of material around.
- Trowel to achieve the desired look and finish as you go. Keep a wet edge and blend from one area to the next, avoid leaving hard lines.
- Ensure a random pattern by rotating and varying your troweling action. Gently break up any lines or repeating patterns.
- When applying multiple coats, allow each coat to dry, and then repeat the application. The drying time between coats depends on the ambient temperature; normally a minimum of two hours or once the surface has an even dried colored appearance. Mist with a light application of CP1000 to dampen surface if second coat is applied next day.
- Curing will depend on the ambient temperature and weather conditions. During the summer months Skraffino is ready for light foot traffic in 12 hours after the second coat has been sealed. Heavy traffic may require up to 2 days curing depending on temperature.

SEALING

- Wait for at least 3 days before sealing with a solvent based sealer. Water based sealers can be applied after 24 hours of the application of second coat. ALWAYS spray the sealer. Multiple thin coats is performs better than one thick coat.

LIMITATIONS

- Do not install Skraffino at temperatures below 7°C or if temperature is expected to drop below 7°C within the following 24 hours. Excessive addition of CP1000 in Skraffino will cause white bleed marks in the final floor surface. Objects placed and left on the surface for more than 2 days could cause a ghosting effect

CLEAN UP

Clean skin with soap and water. Tools and equipment should be cleaned with Xylene or Lacquer thinner. Consult MSDS for safety and health precautions.

WARRANTY

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COVERAGE

Skraffino (regular, fine and superfine) yield 250-300ft² per pail at 1/32 inch thickness per coat

AVAILABILITY

Skraffino is available throughout the United States and Canada. Contact Duraamen representative in your area for details.

MAINTENANCE

After completing the installation, the applicator should provide the owner with maintenance instructions. If floors become slippery due to animal fats, oil, grease, or soap film, clean and rinse thoroughly. Properly sealed Skraffino is easily cleaned with neutral soaps or detergents. Routine mechanical scrubbing is recommended for all surfaces having a non-skid texture. Treating the surface with a floor finish (Smartgard) is optional. Long periods of heavy traffic may cause wear patterns necessitating application of a finish coat.

TECHNICAL SERVICE

Duraamen International FZ-LLC. provides services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces.

TECHNICAL DATA

Flammability (ASTM E84)		
Flame Spread Fuel		0
Contribution Smoke		0
Development		0
Compressive Strength (ASTM C 109)		
	28 days	295kgf/cm ²
Shelf life		6 months