

DESCRIPTION

Sgraffino 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. Sgraffino has been designed to 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.
- After cleaning and profiling, test for MVER (moisture vapor emission rate).
- 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 Düraamen's technical staff.
- Movable expansion or control joints must be reflected through Sgraffino.
- Prior to priming allow surface to dry thoroughly to prevent dilution of the primer.

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 50°F
- 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 Sgraffino.
- Installing Sgraffino 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 5ga of Cp1000 per 1000ft². However this amount can vary considerably according to surface porosity.

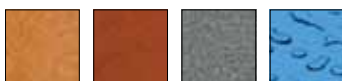
NOTE: An incorrectly primed surface may result in pinholes in the Sgraffino and cause accelerated and incomplete hydration. The overlay must be no longer than 4 hours after the application of second coat.

MIXING & INSTALLATION

- Place Cp1000 into clean garbage can for easy access. Always activate Sgraffino with pure Cp1000.
- Sgraffino liquid levels are adjustable +/- 10%. However, remember to be consistent. We recommend 4.6 liters of Cp1000 to activate 1 pail of Sgraffino.
- 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 Sgraffino 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 60s 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: Sgraffino 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.

- Sgraffino 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 Sgraffino is ready for light foot traffic in 12 hours after the second coat has been sealed. Heavy traffic may require up to 2 das 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 Sgraffino at temperatures below 45°F or if temperature is expected to drop below 450F within the following 24hours. Excessive addition of Cp1000 in Sgraffino 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.

COVERAGE

Sgraffino (regular, fine and superfine) yield 250-3000ft² per pail at 1/32 inch thickness per coat

AVAILABILITY

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

WARRANTY

Dūraamen Engineered Products, Inc. warrants for a period of one (1) year that it products will be free of manufacturing defects and will be in conformity with published specifications when handled, stored, mixed and applied in accordance with recommendations of Dūraamen. If any product fails to meet this warranty, the liability of Dūraamen will be limited to replacement of any non-conforming material if notice of such no-conformity is given to Dūraamen within (1) one year of delivery of materials. Dūraamen may in is discretion refund the price received by Dūraamen in lieu of replacing the material. No customer, distributor or representative is authorized to change or modify the published specifications of this warranty in any way. No one is authorized to make oral warranties on behalf of Dūraamen. In order to obtain replacement or refund the customer must provide written notice containing full details of the non-conformity. Dūraamen reserves the right to inspect the non-conforming material prior to replacement. EXCEPT FOR THE EXPRESSED WARRANTY STATED ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. DÛRAAMEN'S OBLIGATION SHALL NOT EXTEND BEYOND THE OBLIGATIONS EXPRESSLY UNDERTAKEN ABOVE AND DÛRAAMEN SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO THE PURCHASER OR ANY OTHER THIRD PARTY FOR ANY LOSS, COST, EXPENSE, DAMAGE OR LIABILITY, WHETHER DIRECT OR INDIRECT, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

MAINTENANCE

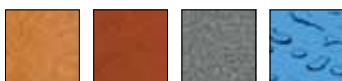
After completing the installation, the applicator should provide the owner with maintenance instructions. If floors become slippery due to animal fats, oil, grease, or soap film, clean and rinse thoroughly. Properly sealed Sgraffino is easily cleaned with neutral soaps or detergents. Routine mechanical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

TECHNICAL SERVICE

Dūraamen Engineered Products Inc. 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 Development	0
Compressive Strength (ASTM C 109)	
28 days	4200psi



dūraamen engineered products, inc.

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