

CANZAC® | GROUP

Improving the performance of concrete worldwide®



DENSIFIERS & SEALERS

APPLICATION PROCEDURE & INSTRUCTIONS

(Always test each concrete surface for suitability and desired results. Let surface dry before inspection and approval of the desired application.)

COVERAGE RATES

Steel trowelled concrete = 12m² per litre

Exposed aggregate and broom finished concrete = 8m² per litre

Mix well before using. Application by spray, roller or brush to new or old concrete. Surfaces to receive Pentra-Sil 244+ should be clean and free of all foreign materials such as bond breakers, curing agents, form release oils, grease, dust, construction laitance, drywall residue etc. We don't recommend citrus cleaners for concrete, but if a d-Limonene (citrus) based cleaner is used, the surface must be neutralised using a high pH detergent (i.e. TSP, Tide, Cascade etc.) before applying Pentra-Sil 244+. All standing water should be removed before application.

Horizontal Application: Use an airless, or HVLP sprayer to apply Pentra-Sil 244+ to form an even, glistening sheen. Apply enough Pentra Sil 244+™ to keep the surface wet for 20 minutes. If areas dry out before that, apply more product. Apply when surface and air temperatures are 40 °F to 100 °F (4 °C to 38 °C).

Vertical Application: Apply from the bottom up using a low pressure, 10 – 25 psi (68.9 – 172 kPa) sprayer with a fan-type nozzle. Flood surface until excess runs down 6" to 8" (152 – 203 mm) below spray pattern nozzle or sponge surfaces sufficiently to create a uniform wet-look. Proper quantity on horizontal surfaces is indicated when the solution stands for a few seconds before completely penetrating. For maximum penetration and desired coverage rates, a wet-on-wet application is recommended; retreat within three to five minutes after initial application. A brush or roller can be used. When a brush or roller is used, repeated applications should be made until the surface retains moisture for a minute or so before solution disappears. Distribute any pools of material with a broom.

Because the porosity of substrates and application conditions can vary greatly, Convergent Concrete is not responsible for any shortfalls or excess consumption based on the estimated yield and coverage rates noted above. For precise rates of consumption, a pre-application field test should be performed.

Make certain the most current version of the Pentra-Sil Product Datasheet and MSDS are being used. Proper application is the responsibility of the user. Field visits by Convergent Concrete personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the job site.

FINAL RESULTS

Typical drying time is 1-2 hours for both vertical and horizontal surfaces. Floors are ready for traffic and use when dry. Sanding or polishing will only wear down the protective surface and is not recommended for industrial applications unless it is being used as a surface enhancer for polished concrete acting as polishing agent.

CANZAC®
Under Slab - In Slab - On Slab

LESASYSTEMS
ADVANCED CONCRETE FLOOR SYSTEMS

MONSTA-SLAB

converge

ROMBUS
INDUSTRIES

CANZAC® LTD
Concrete Lifting Systems®

0800 422 692 | www.canzac.com

CANZAC® | GROUP

Improving the performance of concrete worldwide®



DENSIFIERS & SEALERS

A light lithium residue may form on the surface after the surface is dry. This is excess Pentra-Sil 244+ that was not absorbed and can be removed with a stiff broom, power sweeper or floor machine (if required). Water repellency and hardness continue to develop for up to seven days following the application; however, significant results should be visible within 24 hours.

On smooth concrete, for an immediate shine, allow the Pentra-Sil 244+ to dry overnight and then polish with a high-speed propane buffer equipped with black pad, followed by a red pad. Or run an auto-scrubber over the surface with nylo-grit or strato-grit brushes and vacuum going (but no water). Buffing with a black pad followed by a red pad will make smooth surfaces shine more quickly.

Second applications are rarely needed; however, if concrete is very porous or if a quicker sheen is desired, you may apply a second, very light application. Lightly mist the surface with Pentra-Sil 244+, spread evenly with a lamb's wool applicator or soft broom, and let dry.

Proper application is the responsibility of the user. Field visits by Convergent Concrete personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the job site.

CLEAN UP

Use water to clean tools and equipment. Pentra-Sil treatments are environmentally friendly and require no special or hazardous disposal methods.

MAINTENANCE

Routine sweeping, mopping, washing and mechanical scrubbing of floors with neutral pH cleaners/water is recommended.

DO NOT USE acidic or citrus cleaners to maintain the floor. Although Pentra-Sil is chemically resistant and helps reduce staining, acidic and citrus cleaners may etch the surface causing a residual stain. Regular maintenance will improve surface shine. This will prolong the life of the floor surface and over time will increase the sheen. Wipe up any chemical spills as soon as possible.

Wait 6-12 hours after application before painting, line-stripping, or applying resilient tile, and conduct an adhesion test. For line-stripes, we recommend lithium Transil® Traffic Marking and Safety Paint™. Use a sti broom or power sweeper to remove dirt and dust from the surface. Please consult the manufacturer to inquire about surface preparation and recommendations. Always test adhesion and performance for suitability and desired results before application.

CANZAC®
Under Slab - In Slab - On Slab

LESAS
SYSTEMS
REINFORCED CONCRETE FLOOR SYSTEMS

MONSTA-SLAB


converge

 **ROMBUS**
INDUSTRIES

CANZAC® LTD
Concrete Lifting Systems®

0800 422 692 | www.canzac.com