

CANZAC® | GROUP

Improving the performance of concrete worldwide©

DENSIFIERS AND SEALERS

PENTRA-SIL NL

APPLICATION INSTRUCTIONS



PRECAUTIONS

- Apply only when temperatures will be above 2°C for at least 4 hours following application.
- Clean surface to remove any dirt, laitance, curing compounds or coatings that may prevent Pentra®-Sil densifiers from penetrating the surface.
- It's sometimes very difficult to know what kind of product was applied on the concrete floor before (curing, silicone, etc.) and to know whether those products can block the penetration of any other product. For that reason, we insist on the cleaning process. If it's difficult to remove the membrane, the floor must be slightly ground and then, clean, clean & clean the floor.

ALWAYS DO A TEST SPOT BEFORE COMMENCING.

- Do not use citrus or acidic cleaners. If acid dyes or cleaners have been used, neutralize the surface using an alkali cleaner (Tide laundry detergent)
- Do not use high pressure sprayers.
- If Pentra®-Sil densifier comes into contact with glass, fabric, metal, or painted surfaces. Immediately wipe contaminated surfaces with a damp cloth, then wipe dry with a second clean cloth.

EQUIPMENT

1. Scrubber machine + brushes and pads
2. Vacuum cleaner
3. HVLP sprayer or pump sprayer
4. Flat microfibre, soft broom, paint roll.
5. Polishing and Propane Burnishing Machine

MIXING - DO NOT DILUTE

Stir thoroughly prior to use. Do not thin or dilute.

Do not over agitate with compressed air or recirculating pump.

Application equipment must be clean and free of foreign materials.

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APPLICATION PROCESS

1. Using an HVLP sprayer, or a pump-up sprayer for smaller jobs, spray Pentra®-Sil uniformly on the surface. 1L will cover between 12 and 18 Sqm². Spread out any pools with a soft bristle broom or a flat microfiber pad.
2. Keep surface wet for at least 20 minutes, adding more material where needed.
3. Let it dry

FINISHING STEP

When your hardener is dry, everything will depend on the surrounding atmospheric conditions, i.e. between 1h and 24h, at which time you can move on to the finishing phases: Either sand, polish, or burnish your surface so that you can apply finishing products if necessary!

SPECIAL CONDITIONS

In hot and windy weather, it may be necessary to spray water on the hot concrete to cool the surface before applying Pentra®-Sil densifiers and so that they do not dry immediately on the surface.

In cool, humid, or enclosed conditions, Pentra®-Sil densifier may stay wet for a long time. After 1 hour of dwell time, use an auto-scrubber to rinse the surface and pick up excess material.

If concrete is dyed, acid stained, or integrally coloured, after 20-30 minutes of dwell time use scrubbing equipment to rinse the surface and pick up excess material.

On newly placed concrete, Pentra®-Sil densifier may be applied immediately after the finishing, or immediately after joints have been cut and cleaned, or anytime thereafter, at the project manager's discretion. If at time-of-placement, curing materials/bond breakers may be applied over the top of Pentra®-Sil densifiers once it is no longer wet on the surface.

NB: Our densifiers cannot be considered as a curing product!

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ESTIMATED COVERAGE

- Steel Troweled Finish - (1L per 12 to 18m²)
- Coverage rate will vary with concrete finish and porosity.
- Broom finished concrete will require more material. (1L per 8/10 Sqm²)

CLEAN UP

Use soap and water to clean tools and equipment. Although Pentra®-Sil densifiers are non-toxic and environmentally safe, it is alkali—use up or dry out extra material and dispose of according to local regulations. Don't pour into sewer systems or storm drains. Please read all SDS & TDS for each product because all our densifiers have a special concrete goal!