



## Specification and Application Guidelines

**I. Acid Stained Concrete**

**II. Integrally Colored Concrete**

# I. Acid Stained Concrete

## Specification and Application Guidelines

**NOTE:** Before beginning the application, the surface must be neutralized. Cascade dishwashing soap works extremely well. Entire surface must be washed and scrubbed with a neutralizing agent after the acid staining is finished.

### Step 1.

Using a high volume, low pressure sprayer; apply Pentra-Sil (NL) to the surface evenly at the rate of approximately 500 square ft. per gallon. Keep the surface wet with Pentra-Sil (NL) for at least 20 minutes. **DO NOT LET ANY AREA DRY OUT**--spray more Pentra-Sil (NL) if required. Lightly broom out any puddles right after the material has been sprayed so the surface is uniformly wet for a minimum of 20 minutes. **IMPORTANT**--never let surface dry until steps 2 & 3 are completed.

### Step 2

After 20 minutes, spray water on the surface (saturating the entire surface—It is critical not to let any section of the surface dry prior to completing (step 3). This will allow a more consistent uniform finish

### Step 3

#### **Auto Scrubber Instructions:**

We strongly recommend that you use an auto-scrubber, equipped with a soft pad or brushes. With the squeegee down, the vacuum on, and light head pressure, add water, scrub, and clean the surface to remove all excess residue. Dispose of in accordance with local regulations.

#### **Manual Instructions:**

If no auto-scrubber is available, while surface is wet with water, agitate with a broom to loosen any excess material that remains. Add more water if necessary. Squeegee the wastewater from the surface and dispose of in accordance with local regulations.

Repeat this step to be sure all residue has been completely removed, i.e. salt deposits, excess Pentra-Sil (NL).

## II. Integrally Colored Concrete Specification and Application Guidelines

**Timing:** Joint cutting is more important for the performance of the slab than treating the slab immediately with Pentra-Sil™ (NL). Pentra-Sil (NL) may be applied before or after the joints are cut. Consult with concrete placement Superintendent and Saw Cutting crew about the timing of the Pentra-Sil (NL) application.

Before Joints are cut: Proceed directly to application step 1 below.

After Joints are cut: Clean up saw cut residue from the surface using vacuums, sweepers, blowers, or brooms. Next, use an autoscrubber or 175 rpm swing buffer equipped with white or red pads, (Red pads are more aggressive and should only be used if you have determined they will not damage the surface) clean the joints to remove any residue that sweeping or blowing did not remove. You may need to damp mop the joints and around columns to get the surface thoroughly clean. Proceed to Step 1.

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#### **Manual Instructions:**

If no auto-scrubber is available, while surface is wet with water, agitate with a broom to loosen any excess material that remains. Add more water if necessary. Squeegee the wastewater from the surface and dispose of in accordance with local regulations.

Repeat this step to be sure all residue has been completely removed, i.e. salt deposits, saw-cut powder, dust, excess Pentra-Sil (NL) or any other surface contaminates.