The Best Polished Concrete Floors
Use the RetroPlate Concrete Polishing System!
RetroPlate is a chemically reactive liquid which enhances concrete density and hardness, allowing concrete surfaces to be polished to a high, marble-like sheen. In conjunction with diamond tools and machinery, and the process of grinding and polishing concrete, it is known as the RetroPlate Concrete Polishing System.

Join our RetroPlate Elite Applicator Network!

APPLY TODAY!
www.curecrete.com/elite
The RetroPlate Process

1. **GRIND**
Grind the floor with industrial strength diamonds to remove imperfections such as travel marks or scratches, and expose bare concrete by removing existing coatings or mastics. Grinding can be light to heavy depending on the desired level of exposed aggregate.

2. **COLOR**
Add style and personality to your polished concrete floors with an array of color options. Achieve any look and style with full color floors, custom logos or unique patterns.

   Color options for polished concrete include: integral color, dry shake and topical dyes and stains.

3. **DENSIFY**
RetroPlate penetrates the concrete and chemically reacts to harden and densify the floor by filling pores and creating a denser surface. Many densifiers on the market claim to work for polished concrete, but RetroPlate has been specifically formulated to allow the concrete surface to be polished to a marble-like sheen.

   *A simple scratch test with a metal object demonstrates the softness of non-densified concrete and the hardness of densified concrete.

   **Microscopic view: porous structure of non-densified concrete surface and filled-in pores of densified concrete surface.

4. **Polish**
Polish the floor with progressively finer diamond grits to achieve the level of shine and reflection desired. Polished concrete floors can be polished from a flat, matte appearance, to a highly polished, glossy finish.

   *DOI - Distinctness-of-Image. The DOI, Image Clarity Value, range from 0 to 100 with a value of 100 representing perfect DOI (image clarity).

   **Classifications according to Concrete Polishing Council’s (CPC) Polished Concrete Aggregate Exposure Chart.

   **Classifications according to Concrete Polishing Council’s (CPC) Polished Concrete Appearance Chart.
Densified-polished concrete is durable and beautiful, but in certain circumstances may require added protection. Topical stain repellents and guard products specifically formulated for densified-polished concrete floors may be used, but will require periodic re-application.

**PROTECT**

The durability and longevity of densified-polished concrete is unmatched by other flooring products. However, adequate and proper maintenance is key to optimal floor performance. Concrete requires minimal maintenance, and with the proper tools, is very easy to do.

**CLEAN + MAINTAIN**

**FILL & REPAIR**

Properly filling and repairing concrete joints, cracks, and spalls, increases the aesthetic appeal of your densified-polished concrete floor, and ensures optimum floor performance for the life of your floor. Multiple colors are available.

**STYLE & DESIGN**

Unlock your concrete floor’s unlimited design potential through diamond grinding and honing, and colorful dyes.

**PREPARE**

Remove existing floor coverings and/or coatings chemically or by grinding the concrete surface until all residue has been adequately removed.

**STAIN REPELLENT & GUARD:**

**CONCRETE CLEANERS:**

CreteClean Plus is safe for your floor, and your employees and customers!

**JOINT, CRACK & SPALL REPAIR SYSTEM:**

See how our “One Complete System” of concrete floor products works together to enhance the performance of your concrete floors.
The RetroPlate System contributes to LEED Points and has been used in many facilities earning LEED Platinum, Gold, Silver and Certified status.

*Photos from top to bottom:

**LEED PLATINUM**
Autodesk
San Francisco, CA

**LEED GOLD**
Washington Station/Obrien & Gere Headquarters
Syracuse, NY

**LEED SILVER**
Cascadia Community College
Bothell, WA

**LEED CERTIFIED**
Syracuse University - Carmelo K. Anthony Basketball Center
Syracuse, NY

*The above list is a small sampling of the numerous LEED projects that have utilized the RetroPlate System. For a more extensive list, contact Curecrete or visit www.retroplate.com.

PRODUCT, LABOR & PERFORMANCE WARRANTY

RetroPlate floors receive a 10-Year Product, Labor and Performance Warranty (the only one in the industry) which can be extended to a Lifetime Warranty when maintained with CreteClean Plus with Scar Guard®.

**HILDENE CAPITAL MANAGEMENT**
Polished Concrete Awards Honorable Mention | Concrete Surfaces Magazine, January 2020

Everlast Industrial Flooring, LLC faced several challenges when they were awarded this project for the Hildene Capital Management Offices in Stamford, CT.

The 30 year old floor had cracks and holes which needed to be filled and a 1/2-inch thick underlayment which required removal, not to mention tile which they discovered beneath it.

After a lot of patience, care and attention to detail, the Everlast crew delivered a flawless polished concrete floor!

**LOCATION**
Stamford, Connecticut, USA

**APPLICATOR**
Everlast Industrial Flooring LLC

**AREA**
7,500 ft²

*The Reach at the Kennedy Center* Polished Concrete Awards Project of the Year | Concrete Surfaces Magazine, January 2020

Cuvello Concrete’s expert craftsmanship, paired with the RetroPlate System, produced a high-end, polished concrete floor with a 20 year life cycle.

They perfectly color matched, detail filled and patched slab edges and glass door floor hinges, installed zinc strips in 167 stair nosings and stenciled aggregate where needed to provide a perfectly consistent, exposed aggregate appearance.

When a quality product like RetroPlate meets quality applicators, the results are undeniably remarkable.

**LOCATION**
Washington, DC, USA

**APPLICATOR**
Cuvello Concrete

**AREA**
14,000 ft²

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**CONTRIBUTES TO LEED**

The California Academy of Sciences in San Francisco is one of the world’s greenest museums, earning 2 LEED Platinum awards and making it the world’s first “Double Platinum” museum.

**NO VOCs**

RetroPlate contains no Volatile Organic Compounds - 0 g/L (VOC-free) and contains no solvents. It also eliminates the need for floor adhesives.

**ENHANCED NATURAL LIGHTING**

Indoor spaces with highly reflective floors, such as densified-polished concrete, increase daylight reflectivity. Natural light (daylighting) has been touted not only for its aesthetics, but also its productivity and comfort benefits.

**RE-USE EXISTING CONCRETE | Sustainability**

Existing concrete floors previously covered in coatings or material coverings can be rejuvenated and given new life by converting them into densified-polished concrete floors with limitless design potential and a one-time, permanent application that never requires re-application.

**CASE STUDY: VOLKSWAGEN CANADA**

“1/3 of this Volkswagen facility’s lights have been permanently turned off.”

Tim Ryan, Facility Engineer
Volkswagen Canada, Inc.

**LIFE CYCLE COST COMPARISON**

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>INSTALLED COST</th>
<th>ANNUAL MAINTENANCE</th>
<th>EXPECTED LIFE</th>
<th>10 YEARS EXPENSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>RetroPlate</td>
<td>$2 - $4</td>
<td>$0.25</td>
<td>10+ yrs.</td>
<td>$4.50 - $6.50</td>
</tr>
<tr>
<td>RetroPlate w/ Dyes</td>
<td>$2.50 - $6</td>
<td>$0.25</td>
<td>10+ yrs.</td>
<td>$5.00 - $8.50</td>
</tr>
<tr>
<td>Acrylic</td>
<td>$0.20</td>
<td>$0.50</td>
<td>6 - 12 mos.</td>
<td>$5.10 (min.)</td>
</tr>
<tr>
<td>Urethane</td>
<td>$0.75 - $2</td>
<td>$1.50</td>
<td>2 - 9 yrs.</td>
<td>$16 - $17</td>
</tr>
<tr>
<td>VCT</td>
<td>$1.50 - $4</td>
<td>$1.50</td>
<td>10+ yrs.</td>
<td>$16 - $20</td>
</tr>
<tr>
<td>Epoxy</td>
<td>$1.50 - $5</td>
<td>$1.50</td>
<td>1 - 5 yrs.</td>
<td>$16 - $20</td>
</tr>
<tr>
<td>Carpet</td>
<td>$2.50+</td>
<td>$1.50</td>
<td>5 - 10 yrs.</td>
<td>$17 - $20</td>
</tr>
<tr>
<td>Vinyl</td>
<td>$3 - $5</td>
<td>$1.50</td>
<td>9 yrs.</td>
<td>$18 - $25</td>
</tr>
<tr>
<td>Terrazzo (epoxy)</td>
<td>$13</td>
<td>$0.50</td>
<td>10+ yrs.</td>
<td>$18</td>
</tr>
<tr>
<td>Ceramic Tile</td>
<td>$7 - $8</td>
<td>$1.50</td>
<td>10+ yrs.</td>
<td>$22 - $23</td>
</tr>
<tr>
<td>Terrazzo (cement)</td>
<td>$12</td>
<td>$0.70</td>
<td>10+ yrs.</td>
<td>$19</td>
</tr>
</tbody>
</table>

*All prices are square-foot costs and use the initial installed cost, annual maintenance cost and life of the product to determine the Total Expense for 10 years. Information, other than for RetroPlate, is from NTMA, Concrete Construction and other independent sources. These are national pricing averages. Prices may vary depending on region.

**GREEN AND SUSTAINABLE**

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MAINTENANCE PROGRAM

An effective maintenance program that includes routine scrubbing with soft to medium maintenance pads, ample down pressure and proper amounts of water and cleaner will enhance the floor’s performance significantly.

Scrub Floor **OFTEN**: Minimum routine cleaning 2 - 3 times per week with CreteClean Plus with Scar Guard provides superior results.

Clean Spills **QUICKLY**: Corrosive, oily, or aggressively staining contaminants should be removed quickly to avoid possible staining.

RECOMMENDED SUPPLIES

- **Mop & Bucket**
- **Automatic Scrubber**
  - Capable of 125 - 150 lbs. of downward pressure.
- **Soft to Medium Maintenance Pads or Nylon Brushes**
- **Cleaner: CreteClean Plus with Scar Guard**
  - Performance enhancing cleaner specifically designed to clean densified and densified-polished concrete floors. Regular use helps decrease the visibility of minor scratches and blemishes and helps maintain the concrete sheen.
- **Oil Emulsifier & Acrylic Stripper: CreteStrip**
  - Use directly on stain for spot treatment.

CONDITIONS TO AVOID

- Standing liquids of any kind
- Cleaners containing hydroxides or sulfates
- Acidic or caustic cleaners; acidic cleaners will etch the surface over time and dull the floor’s finish
- All contact with any acids
- Treated dust mops or sweeping compounds
- Bleach or any acidic/harsh chemicals
- Aggressive scrubbing brushes; Strata Grit, Nylo-Grit and other aggressive scrubbing brushes will alter the polished pattern and leave a dull appearance.

RECOMMENDED PRODUCTS

**CLEANERS:**
- 1 gal. (3.79 L) jugs
- 5 gal. (19 L) pails
- 55 gal. (208 L) drums

**OIL EMULSIFIER, & ACRYLIC STRIPPER:**
- 1.2 oz. pac for mop and bucket
- 6 oz. pouch auto scrubber (10-19 gal)
- 12 oz. bottle for auto scrubber (20-30 gal)

Photos courtesy of Peter Wagner.
DON’T JUST IMAGINE THE POSSIBILITIES...
DESIGN THEM ONLINE

UNLOCK YOUR FLOOR’S UNLIMITED DESIGN POTENTIAL

RetroPlate’s innovative DESIGN CENTER allows you to visualize your polished concrete flooring options against 3 separate backgrounds. Scan the code or visit the link below to explore the endless possibilities!

www.retroplatesystem.com/design-your-floor

1 SELECT BACKGROUND
2 SELECT DYE COLOR
3 SELECT AGGREGATE LEVEL
4 SELECT SHEEN

TECHNICAL INFORMATION QUICK LINKS

- SPEC O3660 (PDF)
- HPD v2.1 Health Product Declaration
- SDS Safety Data Sheet
- TEST 1 General Testing
- TEST 2 Co-Efficient of Friction
- TEST 3 Abrasion & Impact Strength

CERTIFICATIONS & RECOGNITIONS

- TÜV SÜD TM 14 Tested and Certified
- Zero (0) VOCs
- CE Declaration of Conformity
- REACH Certified
- NFSI Certified “High-Traction”
- Approved for use in food handling facilities

CONTACT

1203 Spring Creek Place
Springville, UT 84663, USA
(801) 812-3420
(888) 942-3144
www.retroplate.com
www.curecrete.com

TECHNICAL INFO

info@retroplatesystem.com

CUSTOMER CARE

customercare@curecrete.com

HOW TO BUY

RetroPlate is sold through a network of manufacturer representatives and international distributors. To locate your representative or distributor, please contact us.