

# Pentimento

Artisan grade semi-self-leveling concrete

düraamen

engineered to perform

## DESCRIPTION

Pentimento is a Portland cement based semi self-leveling concrete when combined with Cp1000 acrylic activator produces a unique high strength flooring wear surface. It is designed to resurface existing concrete and thus restore it back to original condition. At 1/8" thickness, Pentimento can be re-troweled and burnished to take on the appearance of newly steel troweled polished concrete surface. The durable Pentimento surface has been designed for resurfacing high traffic commercial interior floors, as well as residential concrete surfaces for renovation and new construction projects. It can be integrally colored with powder or liquid pigments.

## ADVANTAGES

- Superior bond to various types of substrates
- Superior abrasion resistance
- High compressive strength
- Designed to be retroweled
- Accepts various coloring systems – acid stains, integral colors or dyes
- Economical and very cost effective

## 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 Pentimento.
- Prior to priming allow surface to dry thoroughly to prevent dilution of the primer.

## INSTALLATION STEPS

### PRIMING

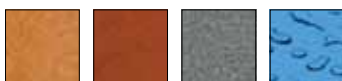
- Prime all the surfaces with Cp1000 acrylic activator. DO NOT DILUTE Cp1000. It must be applied over entire substrate that is at least at 50°F
- Apply with a garden sprayer, and then spread with a broom or mop to assist complete coverage and penetration.
- Two coats of primer are essential. The first 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 Pentimento.
- Installing Pentimento 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 1000ft<sup>2</sup>. However this amount can vary considerably according to surface porosity.

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

### MIXING & INSTALLATION

- Mix Cp1000 activator with water at the ratio of 2:1 (e.g., 5ga of Cp1000 and 2.5ga of water into a large holding container).
- 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) if required into a 5ga mixing bucket and spin for 2- 5 seconds.
- Place 2/3rd of Pentimento 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: Liquid requirements vary according to ambient temperature and the condition of the concrete substrate. If drying conditions include hot, dry and/or rapid air movement, correct the condition if possible. A small amount of bleed is necessary to assist trowel use. Mix only enough material for immediate use. Re-mix if not used within 5 minutes (this will re-emulsify the material) although the leveling properties will begin to diminish.



düraamen engineered products, inc.

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- Spread Pentimento with a turbo roller, then flatten with a 20" finishing trowel. This will produce a smooth surface with some trowel marks.
- A second trowel pass will produce a smoother surface. This is done using spiked knee boards 10-30 minutes after initial placement. Timing is critical, so this trowel pass must be done before the surface has dried out, approximately when 50% of the area has dry patches. The contractor's installation technique is what determines the final effects to produce the desired surface.
- Pentimento will be ready for light foot traffic in 18-24 hours. Heavy traffic may require up to 3 days curing depending on temperature. It is advisable to cover interior projects with cardboard or curing paper. Never stick making tape directly to the new surface for longer than a few hours as this could cause permanent during discoloration

## SANDNG OR BUFFING

Test the area prior to sanding to ensure Pentimento is sufficiently cured. Under normal drying conditions (70°F) wait at least 24hours. Use #100 grit paper or mesh on a standard 17" electric floor maintainer. The sanding process will erase any light acrylic residue, and provide a polished concrete appearance.

## LIMITATIONS

Do not install Pentimento at temperatures below 45°F or if temperature is expected to drop below 45°F within the following 24hours. Excessive addition of Cp1000 in Pentimento will cause white bleed marks in the final floor surface. Objects placed and left on the freshly poured 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

Pentimento yields 70ft<sup>2</sup> per bag at 1/8 inch thickness.

## AVAILABILITY

Pentimento 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 its 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 non-conformity is given to Dūraamen within (1) one year of delivery of materials. Dūraamen may in its 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

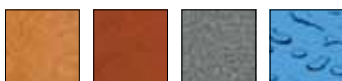
After completing the installation, the applicator should provide the owner with maintenance instructions. If floors become slippery due to animal fats, oil, grease, or soap film, clean and rinse thoroughly. Properly sealed Pentimento is easily cleaned with neutral soaps or detergents. Routine mechanical 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	0	
Fuel Contribution	0	
Smoke Development	0	
Compressive Strength (ASTM C 109)		
28 days	6100psi	
Flexural Strength	1290psi	



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