

1. PRODUCT NAME

Retro Plate 99®

2. MANUFACTURER

Advanced Floor Products
P.O. Box 50533
Provo, UT 84603

3. PRODUCT DESCRIPTION

Retro Plate 99 is a chemical reactive concrete stabilizer which enhances the concrete density and hardness allowing the concrete to be finished to a high cosmetic marble like sheen. It is used in conjunction with the Retro Plate 99 floor restoration system for repairing floors in which:

- The floor is deteriorating and dusting.
- The concrete surface is dull, rough, pitted, or raw looking.
- Overlays, toppings or expensive recoating is required.
- A marble like, hard shell maintenance free finish is desired.

Treatment Results:

In combination with the Retro Plate 99 floor finishing system, Retro Plate 99 allows a selection

of three floor finishes. These include a level 1 hard-shell satin finish, a level 2 hard-shell medium sheen and a level 3 light reflective mirror finish. Each level provides an extremely pleasing durable, penetration resistant, dust proofed marble like surface. Retro Plate 99 also provides a hardened, durable, and dense concrete surface when applied after smoothing and honing of the rough, pitted concrete or removal of soft carbonated concrete surfaces prior to level 1,2, or 3 finishing.

Treatable Materials:

Concrete floor surfaces

Limitations:

- Retro Plate 99 must be applied to structurally sound concrete surfaces. Soft, carbonated or structurally unsound concrete surfaces must be removed so that Retro Plate 99

can react with a stable substrate.

- All restrictive coatings must be removed to allow Retro Plate 99 to fully penetrate the concrete surface.
- Retro Plate 99 should not be applied when freezing conditions may occur.

4. TECHNICAL DATA

Applicable Standards:

- Abrasion: ASTM C 779- Up to 400% increase in abrasion resistance, depending on concrete quality
 - Hardness: ASTM C 805- 21% increase in impact resistance
 - Weathering: ASTM G 23-81- No adverse effect to ultraviolet light and water spray.
 - Light reflectivity: 30% increase in reflectivity.
 - Skidability Static: Co-efficient of friction: ASTM 1028- All levels of finish to 600 exceed OSHA and ADA recommendations for wet and dry hard surfaces.
- Packaging:** 5gallon pails (19L), 55 gallon drums (208L)

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Coverage: 200 square feet per gallon. Coverage depends on the porosity and state of the concrete.

Storage Life: 1 year
Agitate before using.

Thinners: None required.
Use as packaged.

Duration of Effectiveness:
Permanent

Internal composition: Non-flammable, water-based, non-toxic. Meets USDA and VOC compliance.

5. AVAILABILITY AND INSTALLATION

Retro Plate 99 is installed by a network of factory approved applicators as part of the Retro Plate 99 floor repair and finishing system. Contact your Advanced Floor Products representative for a list of approved applicators in your area.

6. TECHNICAL SERVICES

For industrial use only.
Must be applied by a
qualified applicator.
Contact Advanced Floor
Products for specific
application directions.