

# RetroPlate®

## SPEC

## DATA®

This Spec-Data Sheet conforms to editorial style prescribed by The Construction Specifications Institute. The manufacturer is responsible for technical accuracy.

### 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.

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.

#### *Limitation:*

- 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.
- Harness: 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: Coefficient of friction: ASTM 1028- All levels of finish to 600 exceed OSHA and ADA recommendations for wet and dry hard surfaces.

### *Treatment Results:*

In combination with the Retro Plate 99 floor finishing system,

**Packaging:** 5 gallon pails (19L), 55 gallon drums (208L)

**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**

Contact Advanced Floor Products

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