

HIGHLIGHT YOUR ARCHITECTURAL ACHIEVEMENTS TODAY

PERMADIZE® HARDCOAT FINISHES



LIGHT SEQUIN - 379A1453



BLACK - 789G035



GOLD - 379A1451



CHAMPAGNE - 379A1455



DARK BRONZE - 379A1456



STERLING GRAY - 789G018



MEDIUM BRONZE - 379A1457

Permadi® Hardcoat Finishes combine the proven durability of 50% fluoropolymer resins with a rich metallic pearlescence to create vibrant colors that transform your perception of finishes. The Permadi® secret is its formulation process in which the pearlescent highlights are combined with texturizers – metallic-like particles – that add increased abrasion resistance. The result is a hard finish that blends beauty with everyday toughness and mar resistance.

PERFORMANCE THAT MEETS AAMA 2604 REQUIREMENTS

Permadi® finishes stand up to normal use, abuse and weathering. And ultimately, they help to hold down building maintenance costs. Proven performers, Permadi® Hardcoat Finishes are tested to meet the most stringent standards and have surpassed the AAMA 2604 testing requirements. The specification allows non-chrome pre-treatment and covers a period of five years South Florida exposure, as well as tough abrasion, gloss retention and adhesion tests (see table opposite). The added hardness of the 50% Kynar formulation enhances protection against finish damage and touchups that are sometimes required during transportation, installation and everyday use.

AESTHETICS

The hard finish and greater mar resistance of Permadi® Hardcoat Finishes make them ideal for ground floor installations such as storefronts and entrances that must withstand heavy traffic and constant usage. In addition, Permadi® Finishes provide excellent resistance to chalking and fading.

Use Permadi® Hardcoat Finishes:

- For colors that complement today’s designs
- For hard finish and mar resistance
- For long-lasting performance
- For sparkle that brings life to color

PERFORMANCE TABLE

Mechanical Performance & Adhesion	AAMA 2604 Reference	Permadi® Hardcoat Finish Performance
Dry Film Hardness	Section 8.3	Pass - 2H minimum
Dry Film Adhesion	Section 8.4.1.1	Pass - No film disbondment
Wet Adhesion	Section 8.4.1.3	Pass - No film removal
Boiling Water Adhesion	Section 8.4.1.4	Pass - No film removal or blistering
Impact Resistance	Section 8.5	Pass - No film disbondment
Abrasion Resistance	Section 8.6	Pass - >20 liters per mil
Chemical Resistance	AAMA 2604 Reference	Permadi® Hardcoat Finish Performance
Muriatic Acid Resistance	Section 8.7.1	Pass - No visual change or blistering
Mortar Resistance	Section 8.7.2	Pass - No visual change or loss of adhesion
Nitric Acid Resistance	Section 8.7.3	Pass - Color change ≤5ΔE (Hunter)
Detergent Resistance	Section 8.7.4	Pass - No film removal or blistering
Window Cleaner Resistance	Section 8.7.5	Pass - No film removal or blistering
Corrosion Resistance	AAMA 2604 Reference	Permadi® Hardcoat Finish Performance
Humidity Resistance	Section 8.8.1	Pass - No blisters > “few No. 8” (ASTM D714)
Salt Spray Resistance	Section 8.8.2	Pass - <1.6 mm creep from scribe
Weathering 5 Years Florida	AAMA 2604 Reference	Permadi® Hardcoat Finish Performance
Color Retention	Section 8.9.1.2	Pass - Color change ≤5ΔE (Hunter)
Chalking Resistance	Section 8.9.1.3	Pass - ≥ No. 8 rating (ASTM D4214)
Gloss Retention	Section 8.9.1.4	Pass - ≥ 30% gloss retention
Erosion Resistance	Section 8.9.1.5	Pass - < 10% Film loss

Note: These color samples are as close as possible to actual colors offered within the limitations of printing techniques. Final color specification shall be as per approved color samples.