

# Permadize™ Hardcoat Finishes

Highlight Your Architectural Achievements

**Light Sequin** (simulates #14/#17 clear anodize)

**Champagne** (simulates #18 champagne anodize)

**Gold** (simulates #26 light bronze anodize)

**Medium Bronze** (simulates #28 medium bronze anodize)

**Dark Bronze** (simulates #40 dark bronze anodize)

**Black** (simulates #29 black anodize)

**Arctic Blue**

**Metallic Brick**

**Tropical Jade**

**Platinum Ice**

**Terra Cotta Metallic**

**Sterling Gray**

**Mediterranean Mist**

**Champagne Rose**

**Classic Copper**

**Hartford Mist**

**Sapphire Ice**

**Burgundy Metallic**

# High Performance Coatings

## That Meet AAMA 2604 Requirements

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

### Performance

Permadiize™ finishes stand up to normal use, abuse and weathering. And ultimately, they help to hold down building maintenance costs. Proven performers, Permadiize™ 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 Permadiize™ Hardcoat Finishes make them ideal for ground floor installations such as storefronts and entrances that must withstand heavy traffic and constant usage. In addition, Permadiize™ Finishes provide excellent resistance to chalking and fading. Colors include earth tones as well as vivid blues and greens and the metallic sheen suggests custom anodized colors.

Permadiize™ 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	Permadiize™ 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	Permadiize™ 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	Permadiize™ Hardcoat Finish Performance
Humidity Resistance	Section 8.8.1	Pass No blisters > "few No.8" (ASTM D 714)
Salt Spray Resistance	Section 8.8.2	Pass <1.6 mm creep from scribe
Weathering 5 Years Florida	AAMA 2604 Reference	Permadiize™ 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 D 4214)
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. Permadiize™ finishes are formulated by The Valspar Corporation for Kawneer Company, Inc.



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