AERIS™

ARCHITECTURAL FILM COLLECTION

COLLECTION: **Wood Grain**

PRODUCT ID: **WG-166**

PRODUCT DESCRIPTION

Aeris is a decorative surface finish for interior applications, available in over 900 designs. These designs offer the warmth of wood grain, the sleek feel of metal, the cool essence of natural stone, pure color, and hundreds of other designs. The MT Matte Series has a new, state-of-the-art, matte surface, offering realistic textures and the appearance of natural materials and rich, solid colors.

E-Series RC Recycled Content* Film products have a base film layer made with 80% post-consumer recycled polyester and a colored layer made with 20% scallop shell powder as a bio-based filler. E-Series RC Recycled Content* Film and select other Products have a liner with a base paper made from 40% recycled pulp and printed with ink containing 10% biomass derived material.

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FEATURED BENEFITS OF AERIS

- **Interior Applications** — Ideal for walls, columns, doors, cabinets, and more.
- **Application Surfaces** — Usable on metal, wood, interior glass, and complex curved (3D) surfaces.
- **Aesthetics** — New Controlled Reflection Technology gives Premium Wood Series the realistic appearance and texture of natural wood. The controlled reflection of the matte coating technology is combined with both fine and deep wood grain texture and high-quality printing (see Figure 2).
- **Remodel and Reuse** — Shortens refurbishment downtime and brings entirely new designs to existing assets.
- **Easy Application** — Film adhesive technology virtually eliminates air bubbles, simplifying and speeding application (see Figure 1).
- Expected performance life of 12 years for indoor, vertical applications.

PRODUCT CHARACTERISTICS

The values in these tables are typical and are based on test data deemed reliable, but they are not warranted.

Characteristic		Value
Material	Film	Vinyl (most finishes)
	Adhesive	Pressure-sensitive acrylic, permanent
	Release Liner	Silicone-coated poly paper
Thickness	Film + Adhesive	8 mils (200 microns) nominal, not including release liner. Some designs vary slightly in thickness due to embossing.
	Release Liner	6.2 mils (157 microns)
Maximum Roll Size	Standard	48 in. by 164 ft. (1,220 mm by 50 m)
	WG-GN, VM, ET	48 in. by 82 ft. (1,220 mm by 25 m)
Maximum Weight		Approx. 55 lbs (25 kg) for a 164 ft. (50 m) roll

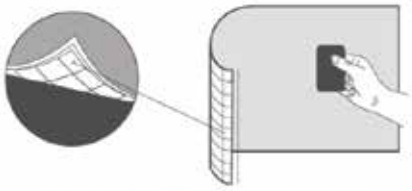

Figure 1. Adhesive Air-release Channels

Figure 2. New Controlled Reflection Technology

PRODUCT PERFORMANCE

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Characteristic	Evaluation	Results
Dimensional Stability*	4 in. by 4 in. (100 mm by 100 mm) crosscut in film, after two days at room temperature.	Largest gap: < 0.01 in. (0.3 mm)
Heat Resistance*	Aged at 150°F (66°C) for 28 days.	No delamination or visible change
Thermal Cycle Resistance*	Cycled between -22°F and 150°F (-30°C and 66°C) for 12 days.	No delamination or visible change
Moisture Resistance*	Aged at 104°F (40°C), 95% humidity for 30 days	No delamination or visible change
Cold Impact Resistance*	2 lbs (907g) weight dropped from a 5 in. (12.7 cm) height, at 32°F (0°C) using a Gardner Impact Tester.	No cracks in film
Ultraviolet Light Exposure	Exposed to carbon arc accelerated UV light for 250 hours.	No visible change
Wear Resistance	Taber® CS-17 Abrasion wheel: 1 kg (2.2 lbs) loading weight, 7,000 cycles	No wear-through of surface finish
Fire Resistance	When used in interior applications as defined by NFPA 101 "Life Safety Code", Test Method ASTM E84	Most Products are Class A.
Industry-Specific Testing	IMO Certification/USCG Type Approval, Intertek Firedoor, and CAN/ULC-S102.2	Consult Technical Service.
VOC Emission Testing	CA Specification 01350 tested per CDPH Standard Method V1.1 and V1.2	Compliant as low-emitting

*Film applied to an aluminum plate