ORAGUARD® Series 210 PVC Laminating Film

Description
2.5-mil, soft PVC film with a UV extension factor of two years. Available in gloss, semi-gloss or matte finish.
Release Liner
55# silicone coated paper
Adhesive
Clear, solvent-based, permanent adhesive
Applications
A cold laminate for protection of medium-term indoor and outdoor digital print applications. **Flat application ONLY.**

Technical Data

Thickness (without liner and adhesive)	2.5 mil
Temperature Resistance	Adhered to aluminum, -40°F to +176°F, no variation
Fire Behavior (DIN 75200) **Fire Rating**	Adhered to steel, self-extinguishing ASTM E 84-07 Class "A"
Adhesive Power (FINAT TM-1, after 24 h, average)	Adhered to stainless steel: 2.74 lb/in
Tensile Strength (DIN EN ISO 527)	Along: Min. 19 MPa Across: Min. 19 MPa
Elongation at Break (DIN EN ISO 527)	Along: Min. 130% Across: Min. 150%
Shelf Life (68°F/50% relative humidity)	2 years
Minimum Life Expectancy (based on accepted application procedures on verticle surfaces)	4 years
Minimum Application Temperature	46°F
Available Lengths **Available Widths** (inches)	150' (50-yard) 30, 36, 40, 50, 54, 60
Recommended to be used in combination with	ORAJET® Series 3691, 3651, 3651RA, 3641, 3640, 3628, 3621, 3620, 3268, 3169RA, 3165, 3165RA, 3164, 3161DT
UV Protection Extension Factor	+2 years

ORACAL® recommends that printed film be allowed to dry for at least 24 hours at 70°F (48-72 preferred) before applying a laminate.

Attention
Recycling Recommendation: Waste class similar to household waste, is to be recycled according to the local regulations.

Surfaces to which the material will be applied must be cleaned thoroughly of dust, grease or any contaminants. Freshly lacquered or painted surfaces should be allowed to stand for at least three weeks after complete curing. The compatibility of selected lacquers and paints should be tested by the end-user prior to use.

The statements in this information sheet are based upon our knowledge and practical experience. This data is intended only as a source of information and is given without any guarantee and does not constitute a warranty. Due to the wide variety of possible uses and applications, customers should independently determine the suitability of this material for their specific purpose, prior to use.

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