

## POLYKOTE Coil Coating Systems

# Multi-purpose polyester coatings

Polykote coatings are field proven, multiple purpose polyester finishes designed for a wide variety of applications. These coatings provide superior flow characteristics over a wide range of cure temperatures. Polykote coatings may be applied as single coat finishes or utilized with a Valspar recommended corrosion resistant primer to meet stringent roll-forming and corrosion demands.

### Benefits

Polykote coatings provide a number of unique benefits including:

- Exceptional resistance to sun, rain and other natural elements
- Superior scratch resistance
- Exceptional dirt and stain resistance
- Excellent overall adhesion
- Great flexibility and formability

### Colors

Polykote coatings are available in a wide spectrum of popular industry colors.

### Substrates

- Hot-Dip Galvanized (HDG)
- Galvalume®
- Galfan®
- Cold-Rolled Steel (CRS)
- Aluminum



### End Uses:

Polykote coatings are ideal for long-life external use on agricultural buildings, light commercial and pre-engineered buildings including:

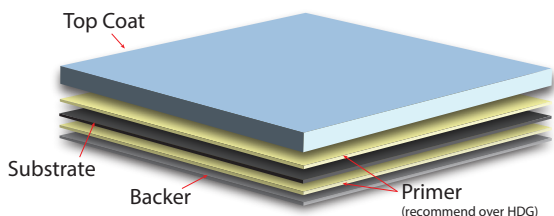
- Residential metal siding and roofing systems
- Interior liner panels, doors and trim
- Rain carrying equipment
- Mobile homes and truck trailers
- Sign blank stock
- Curtain rods, canopies and awnings
- Enclosures
- Other metal building components

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DATA	PERFORMANCE SPECIFICATIONS	Polykote 1000	Polykote 3000	Polykote 4000	Polykote 9200
TECHNICAL DATA	Specular Gloss 60° ASTM D 523 <sup>1</sup>	± 5% of Customer Specification			
	Surface Appearance	Smooth or Textured			
	Pencil Hardness: ASTM D 3363	HB-H	F – 2H	F – 3H	F – 2H
	Flexibility: Total system flexibility varies with basecoat selection. NCCA II-19	O-1T	1 – 2T	1 – 2T	1 – 1T
	Cross-Hatch Adhesion: NCCA No. II-16	No loss of adhesion between coating and substrate to point of metal rupture with 1/8" cross hatch scribe pattern through coating to bare metal.			
	Adhesion Impact: NCCA No. II-6	Aluminum: 1.5x3 metal thickness inch-pounds, no loss of adhesion Steel: 3x metal thickness inch-pounds, no loss of adhesion			
	Humidity Resistance 100% RH 1,000 Hours: ASTM D 2247	Aluminum - no blisters or loss of adhesion. HDG and Galvalume <sup>®</sup> : less than 2% no. 8 size blisters and no loss of adhesion			
	Salt Spray Resistance 250-1,000 Hours 5% Salt Fog at 95°F	HDG and Galvalume <sup>®</sup> : Creep from scribe ≤ 1/8 inch (3mm), few no. 8 blisters The number of hours tested varies by substrate and/or primer selected. Aluminum – no field blistering, no more than 1/32" creep from the scribe after 1,000 hours exposure. CRS – no field blistering, no more than 1/8" creep from the scribe after 250 hours exposure. Two Coat Primed Metallized Steel - less than 5% no. 8 size blisters, no more than 1/8" creep from scribe after 1,000 hours exposure.			
	Substrate <sup>2</sup>	Aluminum, HDG, Galfan <sup>®</sup> , Galvalume <sup>®</sup> or CRS			

## POLYKOTE

Polykote coatings are single coat polyester resin systems with a total Dry Film Thickness (DFT) of 0.6 to 0.8 mils.



Top coat: 0.6 to 0.8 mils

(1) All substrates must be properly pretreated. (2) American Society for Testing and Materials. (3) Polykote coatings are not designed to bridge cracks in the substrate. (4) Varies by color. (5) Polykote coatings will generally meet the requirements for most post-painted fabrication processes. However, variations in metal quality, thickness or cleaning/pretreatment applications can lead to diminished flexibility.

For details and health, safety and handling information, Material Safety Data Sheets (MSDS) are available at [www.valsparcoilextrusion.com](http://www.valsparcoilextrusion.com).

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Valspar Coil and Extrusion Coating Division  
Phone: 888-306-2645  
Email: [coilhelp@valspar.com](mailto:coilhelp@valspar.com)  
[www.valsparcoilextrusion.com](http://www.valsparcoilextrusion.com)

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