

## **DYNAKOTE II**

### *Window Accessories Coating*

#### **Product Type**

DYNAKOTE II coatings are field-proven, high performance finishes utilizing proprietary high molecular weight resin technology to achieve exceptional film flexibility and long-lasting color protection. DYNAKOTE II finishes are specially formulated, non-fogging coatings for window trim applications such as muntin bars and screen frames.

Window components made from aluminum that will lend themselves to a pre-painted coil finish can be coated with a DYNAKOTE II product. The excellent adhesion and flexibility properties of DYNAKOTE II coatings provide superior post forming performance to enhance the coated product's appearance and durability for years to come.

#### **Application**

DYNAKOTE II coatings are formulated to be coil coated on aluminum substrates that have been properly cleaned and pretreated in accordance with Valspar's technical specifications. Long-life durability and performance are achieved by applying 0.65 – 0.85 mils of DYNAKOTE II finish as a single coat on aluminum. DYNAKOTE II products may be applied as a single coat finish or utilized with a primer to meet specific roll-forming and corrosion requirements.

#### **Maintenance**

DYNAKOTE II coatings require minimal maintenance. Surface residue is generally removed with conventional cleaning solutions and/or detergents. Conventional caulking compounds and sealants are acceptable for use in conjunction with DYNAKOTE II products. It is recommended that the specific caulk or sealant first be tested to ensure satisfactory performance when applied to a DYNAKOTE II finish.

#### **Availability**

DYNAKOTE II coatings are available in a wide spectrum of popular industry standard colors.

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### Technical Data

TYPICAL PHYSICAL PROPERTIES OF DYNAKOTE II COATINGS <sup>(A)</sup>		
PROPERTY	RESULTS	TEST DESIGNATION
Pencil Hardness	F – 2H	ASTM D 3363
Flexibility	0T <sup>(B)</sup>	ASTM D 4145
Surface Appearance	Smooth	
60° Specular Gloss	± 5% of Customer Specification	ASTM D 523
Solvent Resistance	Acceptable <sup>(C)</sup>	ASTM D 5402
Adhesion - Impact	Acceptable <sup>(D)</sup>	ASTM D 2794
- Cross-Hatch	Acceptable <sup>(E)</sup>	ASTM D 3359
ACCELERATED TESTS	RESULTS	TEST DESIGNATION
QUV Resistance, 1000 hours	Acceptable <sup>(F)</sup>	ASTM G 53
Humidity, 2000 hours exposure @ 100°F and 100% relative humidity	Acceptable <sup>(G)</sup>	ASTM D 2247
Salt Spray, 1000 hours 5% salt fog @ 95°F	Acceptable <sup>(H)</sup>	ASTM B 117
Dry Heat Resistance, 10 minutes Exposure @ 250°F	Acceptable <sup>(I)</sup>	

NOTES:

- (A) Applied in accordance with Valspar’s technical specification sheet on properly pretreated metal surfaces.
- (B) Single coat or two coats on aluminum
- (C) The number of MEK double rubs varies by primer selected.
- (D) Withstands impact weight of 1.5 x Metal Gauge without loss of adhesion.
- (E) 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.
- (F) No objectionable loss of gloss, blistering, cracking, chalking, or color change.
- (G) No blistering or loss of adhesion.
- (H) No field blistering. No more than 1/32” creep from the scribe.
- (I) 1-2T-no fracture

For more information, contact the Valspar Coil Coatings Division:

<b>KENTUCKY</b> 347 Central Avenue Bowling Green, KY USA 42101 Telephone: 270.843.4831 Facsimile: 270.746.6815	<b>TEXAS</b> 701 South Shiloh Road Garland TX USA 75042 Telephone: 972.276.5181 Facsimile: 972.487.7245	<b>ILLINOIS</b> 901 North Greenwood Avenue Kankakee, IL USA 60901 Telephone: 815.933.5561 Facsimile: 815.936.7811
<b>C O I L C O A T I N G S</b>		
<b>MEXICO</b> Carretera Monterrey Nuevo Laredo KM. 37.1 Cienega de Flores, N.L. 65550 Telephone: 52.81.81.24.20.00 Facsimile: 52.81.81.24.20.52	<b>CHINA</b> No. 838 Jia Xin Road Jiading District Shanghai 201818 People’s Republic of China Telephone: 86.21.5990.1345	<b>CANADA</b> 645 Coronation Drive West Hill, Ontario Canada, M1E 4R6 Telephone: 416.284.1681 Facsimile: 416.284.7217
		<b>BRAZIL</b> Estrada dos Casa, 5050 – Portco B 09840-900 Sco Bernardo do Campo Sao Bernardo do Campo Telephone: 55.11.4358.9244 Facsimile: 55.11.4358.9228

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