



DYNAPON®



END USES

For use on siding and roofing panels of agricultural buildings, light commercial and pre-engineered buildings. It can be used on interior liner panels, doors, trim and other metal building components.



Valspar's Dynapon® finish is an extremely durable polyester finish that provides good exterior durability, resistance to sun, rain, and other natural elements in moderate climates. Use Dynapon on galvanized or Galvalume building panels and components for good weathering performance when alternate

systems such as fluoropolymers or silicone polyesters may be too expensive or not necessary for a particular application. This economical two-coat coil coating system is available in a variety of colors and uses ceramic pigments to help the colors stay looking their best.

SUBSTRATE	PRIMER
Aluminum, HDG Steel, Galfan®, Galvalume® or Zinalume® Steel All substrates must be properly pre-treated.	PMY0302

FIELD PERFORMANCE		
Film Integrity:	Vertical 90° Angle 20 Years: No blistering, peeling, or cracking	Non-Vertical (Angle > 15° from vertical) 15 Years: No blistering, peeling, or cracking
Chalk Resistance: ASTM D 659 ⁽¹⁾	10 Years: Rating no less than 8	10 Years: Rating no less than 7
Color Change: ASTM D 2244	10 Years: No more than 5ΔE (Hunter) units	10 Years: No more than 8ΔE (Hunter) units

The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Valspar assumes no obligation or liability for use of this information. **UNLESS VALSPAR AGREES OTHERWISE IN WRITING, VALSPAR MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. VALSPAR WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.** Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option.



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APPLICATION CHARACTERISTICS

Application Method:	Reverse roll coat
Viscosity: ASTM D 4212 (No. 4 ZAHN Cup)	90 to 110 seconds
Weight per Gallon: ASTM D 1475 ⁽²⁾	9.0 to 11.0 pounds per gallon
Solids by Volume: ASTM D 2657 ⁽²⁾	41% to 53%
Solids by Weight: ASTM D 2369 ⁽²⁾	55% to 70%
Reducing Thinner:	Glycol Ether Acetate
Cleanup Solvent:	Aromatic
Peak Metal Temperature:	420°F to 465°F
VOC (Theoretical): ASTM D 3960	3.0 to 4.0 pounds per gallon
MEK Double Rubs: ASTM D 5402	Greater than 150
Contains Lubricant:	Yes
Color Topcoat Dry Film Thickness: ASTM D 4138	0.70 to 0.90 mils
Primer Dry Film Thickness: ASTM D 4138	0.20 to 0.30 mils
System Dry Film Thickness: ASTM D 4138	0.90 to 1.2 mils

PHYSICAL PROPERTIES

Gloss (60°): ASTM D 523	25 to 35
Pencil Hardness: ASTM D 3363	F to 2H
T-Bend: ASTM D 4145	2T to 4T, no loss of adhesion
Cross-Hatch Adhesion: ASTM D 3359	No loss of adhesion
Reverse Impact: ASTM D 2794	Aluminum: 1.5x metal thickness inch-pounds, no loss of adhesion Steel: 3x metal thickness inch-pounds, no loss of adhesion

ACCELERATED TEST DATA

Salt Spray 1,000 Hours: ASTM B 117	HDG and Galvalume: Creep from scribe ≤ 1/8 inch (3mm), few #8 blisters
Salt Spray 2,000 Hours: ASTM B 117	Aluminum: Creep from scribe ≤ 1/8 inch (3mm), few #8 blisters
Humidity 100% RH 1,000 Hours: ASTM D 2247	HDG and Galvalume: No field blisters
Humidity 100% RH 2,000 Hours: ASTM D 2247	Aluminum: No field blisters
Water Immersion 100° F 168 Hours: ASTM D 870	No field blisters with minimal color change
Dew Cycle Weather meter 200 Total Hours ASTM D 3361	Chalk: Rating no less than 7 Color: No more than 6ΔE Hunter units maximum
Abrasion Resistance: ASTM D 968	Total Sand = 35 ± 5 Liters

(1)ASTM is the American Society for Testing and Materials. (2)Varies with color and gloss.

For details on health, safety and handling information, Material Safety Data Sheets are available upon request.

For more information, contact Valspar's Coil Coatings Division:

901 North Greenwood Ave. • Kankakee, IL USA 60901 • FAX: 815-936-7811 • Telephone: 815-933-5561 or 888-306-2645
701 South Shiloh Road • Garland, TX USA 75042-7812 • FAX: 972-487-7245 • Telephone: 972-276-5181 or 800- 406-6480
347 Central Avenue • Bowling Green, KY USA 42101 • FAX: 502-746-6815 • Telephone: 270-843-4831 or 800-762-2626
645 Coronation Dr. • West Hill, Ontario Canada M1E 4R6 • FAX: 416- 284-6549 • Telephone: 416-284-1681 or 800-268-4277
Avenue Central 223 Los Lormas • Guadalupe, N.L. Mexico 67190 • Telephone: 52818-360-2020

www.paintandcolor.com

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