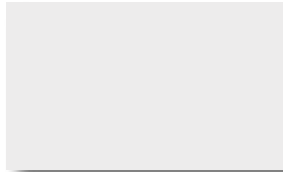




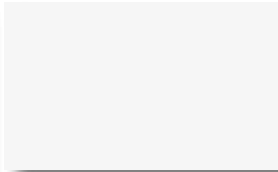
THERMALCLAD PANEL COLORS

COLORS & FINISHES

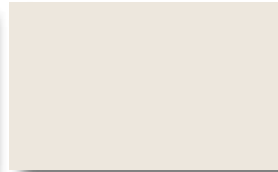
Cool Arctic White



Cool Cotton White



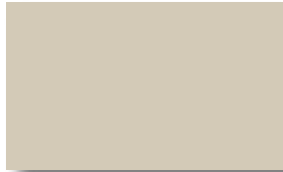
Cool Egyptian White



Tuff-Wall Stucco White



Cool Parchment



Cool Straw gold



Cool Sierra Tan



Tuff-Wall Light Stone



Cool Jade Green*



Cool Bermuda Green



Cool Cobalt Blue



Tuff-Wall Medium Beige



Cool Leaf Green



Cool Hemlock Green



Cool Imperial Blue



Tuff-Wall Light Gray



Cool Granite Gray



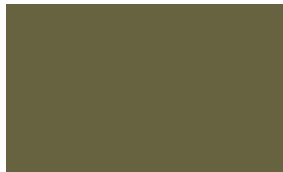
Cool Old Town Gray*



Cool Colonial Red



Cool Dark Bronze



Cool Zinc Gray*



Cool Bright Red



Cool Weathered Copper



Cool Copper Penny*



Cool Metallic Silver*



* Non-stocked colors may require minimum quantity order plus additional material procurement lead-time.



THERMALCLAD PANEL COLORS

Long-term beauty, unmatched protection, cool color performance and superior quality.

Varco Pruden uses high quality paint systems designed to provide long-term performance and protection. Each coating is formulated with thoroughly researched, tested and field proven pretreatments, primers, resins and pigments that can meet your design and performance requirements.

This paint system combines ceramic pigmentation with polyvinylidene fluoride for superior, long-lasting performance. PVDF finishes are respected for their durability, resistance and color retention. Our KXL finishes are warranted for up to 25 years.

70% PVDF finishes meet both Kynar 500 and Hylar 5000 specifications. Kynar 500® is a registered trademark of Arkema. Hylar 5000® is a registered trademark of Solvay Solexis. Galvalume® is a registered trademark of BIEC International, Inc.

All colors shown approximate actual paint colors as accurately as possible. Actual paint colors may vary. Colors in this guide are for reference only. Varco Pruden Buildings reserves the right to change color offerings shown here without notice. Painted metal samples are available.

Note: All panels formed from light gauge metal may exhibit waviness, also known as "Oil Canning," commonly occurring in, but not restricted to, flat portions of a panel. This inherent characteristic is not a defect of material and is not cause for rejection

PHYSICAL AND PERFORMANCE PROPERTIES		
Specular Gloss at 60	ASTM D 523 ⁽¹⁾	Typical: 20-35
Pencil Hardness	ASTM D 3363	HB to 2H
T-Bend	ASTM D 4145	0T to 3T ⁽²⁾ No loss of adhesion
Cross Hatch Adhesion	ASTM D 3359	No loss of adhesion
Reverse Impact	ASTM D 2794	HDG or Galvalume: 3x metal thickness inch-pounds, no loss of adhesion
Humidity Resistance 100% RH 2,000 hours	ASTM D 2247	HDG or Galvalume: No field blisters
Salt Spray Resistance 2,000 hours	ASTM B 117	HDG or Galvalume: creep from scribe no more than 1/16" (2mm) no blisters
South Florida Exposure	ASTM D 2244 ASTM D 4214	Color: No more than 5ΔE Hunter units at 25 years Chalk: Rating no less than 8 at 25 years. Film integrity: 30 years
Flame Test	ASTM E 84	Class A coating
Water Immersion 500* Hours 110F	ASTM D 870	No loss of adhesion
Drew Cycle Weatherometer 1000 Hours	ASTM D 3361	Color change: No more than 5Δ Hunter units. Chalk: Rating no less than 8
Abrasion Resistance	ASTM D 968	Method A, 65 +/- 10 liters

1. American Society for Testing and Materials. 2. KXL is not designed to bridge cracks in the substrate. Due to variability of heavy gauge and HDG metal, some fracturing or rupturing of the substrate is possible with subsequent rupturing of the coatings.

COOL COLOR INFORMATION – Consult specifier or agencies to meet specific requirements

Solar Reflective Analysis as of December 2009 ASTM - E-903, C-1549, C-1371, E-1980					LEED 3.0 Low Slope	LEED 3.0 Steep Slope	Energy Star Low Slope	Energy Star Steep Slope
VP's Color Finish Name With Color Code	Initial SRV	Radiative Emissivity	Installed SRI*	3-Year Aged SRI	Minimum 78 SRI	Minimum 29 SRI	Minimum .65 SRV	Minimum .25 SRV
Cool Arctic White – 451R810	.63	.86	63	63	NO	YES	NO	YES
Cool Bermuda Green – 455R1101	.29	.87	22	22	NO	YES	NO	YES
Cool Bright Red – 454R1000	.44	.86	35	35	NO	YES	NO	YES
Cool Cobalt Blue – 456R1384	.30	.86	22	22	NO	YES	NO	YES
Cool Colonial Red – 454R1016	.33	.87	22	19	NO	YES	NO	YES
Cool Copper Penny – 459RZ2422M	.51	.86	32	32	NO	YES	NO	YES
Cool Cotton White – 451R838	.75	.87	84	80	YES	YES	YES	YES
Cool Dark Bronze – 457R1089	.34	.87	22	22	NO	YES	NO	YES
Cool Egyptian White – 451R809	.63	.86	63	63	NO	YES	NO	YES
Cool Granite Gray – 452R1633	.54	.87	35	35	NO	YES	NO	YES
Cool Hemlock Green – 455R1102	.30	.86	22	22	NO	YES	NO	YES
Cool Imperial Blue – 456RZ1385	.30	.85	22	22	NO	YES	NO	YES
Cool Jade Green – 455R1133	.30	.87	22	22	NO	YES	NO	YES
Cool Leaf Green – 455R1198	.29	.86	22	22	NO	YES	NO	YES
Cool Metallic Silver – 459RZ2431M	.53	.79	32	32	NO	YES	NO	YES
Cool Old Town Gray – 452R1587	.38	.87	35	35	NO	YES	NO	YES
Cool Parchment – 453R1159	.50	.86	49	49	NO	YES	NO	YES
Cool Sierra Tan – 453R1154	.50	.87	49	49	NO	YES	NO	YES
Cool Straw Gold – 453R1160	.60	.86	63	63	NO	YES	NO	YES
Cool Weathered Copper – 457R1124	.36	.86	22	22	NO	YES	NO	YES
Cool Zinc Gray – 452R1583	.36	.87	35	35	NO	YES	NO	YES

* Solar Reflectivity Index includes Solar Reflectivity Values and Emissivity calculations. Values are for initial installation. Low slope values apply to roof slopes 2:12 or lower; Steep slope applies to roof pitches greater than 2:12.



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6020 Architectural Roof Colors
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