

PermaColor 3500 — Full Strength 70% Kynar 500®/Hylar 5000®

All colors available in Galvalume and Aluminum (.032", .040" & .050"). See your local sales representative for more information.



SunNet Blue NEW
Matches SunNet
BIPV Laminate



Hartford Green
R 28.1 • E.9 • SRI 29.7



Dark Bronze
R 29.1 • E.9 • SRI 31



Mansard Brown
R 31 • E.9 • SRI 33.4



Burgundy
R 35 • E.9 • SRI 39.2



Royal Blue
R 28 • E.9 • SRI 29.6



Forest Green
R 28.7 • E.89 • SRI 30



Matte Black
R 28.2 • E.9 • SRI 29.8



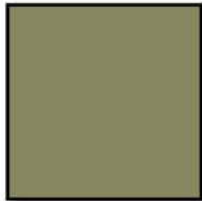
Medium Bronze
R 32.3 • E.91 • SRI 35.6



Colonial Red
R 36.8 • E.9 • SRI 41



Pacific Blue
R 28.5 • E.9 • SRI 30.1



Everglade Moss
R 32 • E.9 • SRI 34.7



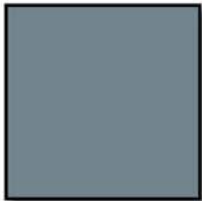
Charcoal Gray
R 30.1 • E.9 • SRI 32.3



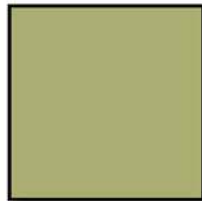
Sierra Tan
R 35 • E.91 • SRI 39.1



Deep Red
R 42 • E.91 • SRI 48.2



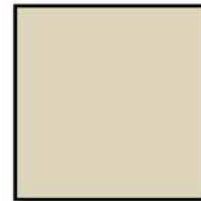
Slate Blue
R 31 • E.91 • SRI 33.9



Patina Green
R 39 • E.91 • SRI 44.3



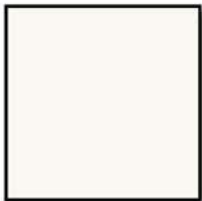
Slate Gray
R 40.3 • E.9 • SRI 45.6



Sandstone
R 51 • E.9 • SRI 59.8



Terra Cotta NEW
R 34.8 • E.89 • SRI 37.9



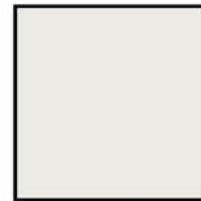
Bone White
R 67 • E.9 • SRI 81.4



Hemlock Green
R 39.28 • E.92 • SRI 30.4



Dove Gray
R 28 • E.9 • SRI 29.6



Stone White
R 62.5 • E.9 • SRI 75.3

PermaMetallics 2000*



Metallic Copper
R 43.8 • E.9 • SRI 50.2



Champagne
R 38.4 • E.91 • SRI 43.5



Prewathered Galvalume®
R 38.4 • E.91 • SRI 43.5

R - Denotes Reflectivity
E - Denotes Emissivity
SRI - Denotes Solar Reflective Index

Due to the limitations of printing processes, this color chart is not an accurate representation of our actual colors.

Sample chips are available on request at no charge. Colors available as of 3/2009.



Mill Finish



Galvalume-Plus®
R 68 • E.10 • SRI 54.3

CALL ENGLERT FOR DETAILS
1-800-ENGLERT



Englert is one of the few single-source metal roof manufacturers with an in-house coil coating line and an exceptionally broad range of finishes to meet any design objective. Whether your design calls for a natural weathered appearance or bright high-performance, full-strength fluorocarbon color—Englert offers a complete array of standard finishes.

Custom Colors

Englert offers a wide range of custom colors with short lead times and low minimum order requirements depending on the type of substrate. Englert can match the color of virtually any material, including brick, wood and fabric.

PermaColor 3500

Englert's PermaColor 3500 standard 35-year low gloss color coatings are comprised of a .7 to .9 mil full strength 70% Kynar 500®/Hylar 5000® fluorocarbon (Polyvinylidene fluoride PVDF) coating over a urethane primer of .2 to .3 mil on the finish side, with primer and a washcoat on the reverse side.

PPG DURANAR® ULTRA-Cool® is state-of-the-art when it comes to energy-efficient metal roofing. PPG DURANAR® ULTRA-Cool® meets Energy Star® specs for Cool Roofs and not only saves energy but money as well because:

- Heat is reflected away from the building
- Smog is reduced when environmental temperatures are reduced
- Energy costs are saved because of cooler interior spaces
- Life expectancy of the roof is increased due to less expansion and contraction
- Monetary incentives are increasingly being offered for switching to reflective roofing products
- Emissivity values of the coatings exceed 85%

PermaMetallics 3500

Englert now offers PermaMetallics 3500 with low gloss PPG DURANAR® ULTRA-Cool® coatings with a 35 year warranty to match our PermaColor 3500 color palette. Metallic Copper (non-aging), Champagne and Preweathered Galvalume coatings are comprised of a .8 to .9 mil full strength, 70% Kynar 500®/Hylar 5000® fluorocarbon (Polyvinylidene fluoride PVDF) coating over a urethane primer of .2 to .3 mil on the finish side, with primer and a washcoat on the reverse.

Galvalume-Plus®

This product has the advantage of an acrylic coating to reduce mill finish discoloration and uneven weathering. This metal is available as a new hi-tech solution to standard uncoated steel.



PermaColor and PermaMetallics Durability Tests

Description	ASTM Method	Durability	Substrates
Gloss	D523-89	10° max	steel and aluminum
Pencil Hardness	D3363-00	HB-2H	steel and aluminum
Flexibility T-Bend	D4145-83 (2002)	1-T	steel and aluminum
Flexibility T-Bend	D4145-83 (2002)	2-T	steel
Mandrel	D522-93a (2001)	no cracking	steel and aluminum
Adhesion	D3359-02	no adhesion loss	steel and aluminum
Reverse Impact	D2794-93 (1999)	no adhesion loss, no cracking	steel and aluminum
Falling Sand	D968-93 (2001)	80 liters per mil. DFT	steel and aluminum
Mortar Resistance	C267-01	no effect	steel and aluminum
Acid Pollutants	AAMA-605.2-91	<5 units color change	steel and aluminum
Acid Rain	Kesternich	10 cycles min.	steel and aluminum
Alkali Resistance	D1308-02	no effect	steel and aluminum
Salt Fog	B117-02	passes 3000 hours	aluminum
Salt Fog	B117-02	passes 1000 hours	steel
Humidity	D2247-02	passes 3000 hours	aluminum
Humidity	D2247-02	passes 1000 hours	steel
Color Retention	D822-01	passes 3000 hours	steel and aluminum
S. Florida Exposure	D2244-02	max. 5 units change	steel and aluminum
Chalk Resistance	D4214-98	min. rating of 8	steel and aluminum

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 Hylar 5000® is a registered trademark of Ausimont USA, Inc.
 Galvalume® and Galvalume Plus® are registered trademarks of BIEC International, Inc.
 DURANAR® ULTRA-Cool® is a registered trademark of PPG.

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