

POLYARMOR®

STANDARD COLOR CHART



G17SSFN1
RAL 9005



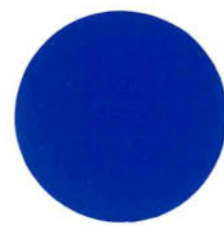
G17SSFW3
RAL 9016



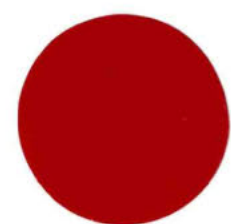
G17SSFA1
RAL 7042



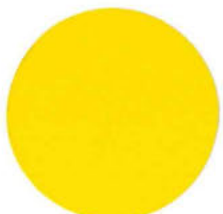
G17SSFB1
RAL 5011



G17SSFB3
RAL 5005



G17SSFR9
RAL 3001



G17SSFY1
RAL 1018



G17SSFG19
RAL 6005 ALT.



G17SSFG38
RAL 6005



G17SSFM1
RAL 8017



G17SSFH10



G17SSSS6

Polyarmor® Standard Colors

Polyarmor® thermoplastic coatings are available in these standard stock colors. Color match is available for large and small orders. Please contact Protech for further details.

The codes provided are Protech's assigned color codes and closest match to a RAL standard color. The color swatches on this page are as accurate as possible but should only be used as guidance. For a proper visual of color, please request a coated panel.

To place an order: 1-800-361-9364



Polyarmor® is Protech's most adaptable line of thermoplastic powder coatings.

These powders are formulated to provide maximum mechanical properties, superb impact resistance and excellent UV protection. When properly applied, Polyarmor® powders furnish a functionalized thermoplastic protective coating that requires no primer and no cure time.

Polyarmor® powders can be applied by either electrostatic spray or fluidized bed

and are available in a wide range of colors and textures to meet a broad range of applications. They are the ideal coating solution for outdoor furniture, bike racks, playground installations, sports equipment, hand railings, fencing, water, oil and gas pipelines and many others.

ADVANTAGES:

- No primer or curing required.
- Excellent UV protection.
- Environmentally friendly, no VOC's.
- Superior impact and chemical resistance.

- Exceptional adhesion to steel, iron and aluminum.
- Corrosion resistant in adverse environments.
- Flexible under extreme high and low environmental temperatures.
- Low water absorption.
- Graffiti and fungal resistant.
- Food and water approvals available
- Available in a wide range of colors and textures
- Ideal coating solution for a wide range of applications
- Made in North America

ACCELERATED AGING DATA (ARC-XENON) ASTM G 155

	THERMOPLASTIC BLACK POLYARMOR					THERMOPLASTIC WHITE POLYARMOR				
	Initial:	L= 24.82	a=0.02	b=-0.03	Gloss 60° 70	Initial:	L= 95.87	a=-1.07	b=0.48	Gloss 60° 87
Exposure Duration (Hours)	ΔE	ΔL	Δa	Δb	Gloss	ΔE	ΔL	Δa	Δb	Gloss
After 500	0.92	0.79	0.04	-0.47	68	0.60	-0.18	0.06	-0.57	81
After 1000	1.35	1.30	0.03	-0.36	76	0.79	-0.66	0.14	-0.42	79
After 1600	1.52	1.47	-0.04	-0.38	68	0.96	-0.91	0.28	-0.10	78
After 2100	1.97	1.91	-0.11	-0.48	67	1.58	-1.54	0.33	0.19	77
After 2600	2.20	2.16	-0.20	-0.36	66	1.81	-1.73	0.39	0.52	76
After 3000	2.79	2.68	-0.06	-0.77	65	2.28	-2.18	0.41	0.71	74
After 5000	2.85	2.72	-0.07	-0.85	55	2.89	-2.78	0.40	0.77	66
After 8000	3.02	2.95	-0.03	-0.67	44	3.02	-2.46	0.05	1.74	55

TABLE OF RESULTS AFTER 5000 HOURS EXPOSURE (ASTM G154)

PRODUCTS	Initial Gloss <60°	After 1000 hrs		After 2000 hrs		After 3000hrs		After 5000 hrs	
		Gloss	Color ΔE*	Gloss	Color ΔE*	Gloss	Color ΔE*	Gloss	Color ΔE*
POLYARMOR RED	75	75	1.20	75	1.80	74	2.10	74	3.10
POLYARMOR BEIGE	78	78	0.11	77	0.28	75	0.30	68	0.73
POLYARMOR GRAY	77	77	0.41	77	0.71	75	0.82	76	1.53

ΔE*: Overall color change

RESULTS OF SALT SPRAY TESTING (ASTM B117)

Sample Description: TUBE No: 4 - COATED WITH PolyArmor G17 - c/w SCRIBE
Pretreatment: SANDBLAST/PRE HEATED
Substrate: STEEL. Film Thickness: 10.0 TO 12.0mils
Test Time Required: UNTIL FAILURE

HOURS TESTED								
Methods (below)	600	1100	1500	2162	3300	5000	7000	8000
ASTM D610	10	10	10	10	10	10	10	10
ASTM D714-5	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
ASTM D1654-7	10	10	10	10	10	10	10	10
ASTM D1654-8	10	10	10	10	10	10	10	10

TUBE No: 2 - COATED WITH PolyArmor G17 - c/w SCRIBE
Pretreatment: 4 STAGES
Substrate: STEEL. Film Thickness: 20.0 TO 24.3mils
Test Time Required: UNTIL FAILURE

HOURS TESTED								
Methods (below)	600	1100	1500	2162	3300	5000	7000	8000
ASTM D610	10	10	10	10	10	10	10	10
ASTM D714-5	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
ASTM D1654-7	10	10	10	10	10	10	10	10
ASTM D1654-8	10	10	10	10	10	10	10	10

