

This guide is designed to assist you in choosing a Polymer Nation Coating System that fits the unique situation for you and/or your client. Contact your Polymer Nation representative for additional advice, specifications and quotations. Our systems are organized into groups that are based upon 5 types of installations:

●	<b>Poly-Guard 110</b>	110 is a high build, 100% solids, 3-coat wall and ceiling system formulated to produce a durable mar-resistant surface.	Warm Sun, Light Gray and White. Custom colors upon request.
●	<b>Poly-Guard 111</b>	111 is a 2 coat 100% solids pigmented epoxy floor coating system designed for light traffic applications.	See Standard Color card. Custom colors upon request.
●	<b>Poly-Guard 140</b>	140 is a three coat, all urethane, wall coating system designed to provide a rapidsetting, UV stable, abrasion resistant wall system.	Warm Sun, Light Gray and White. Custom colors upon request.
●	<b>Poly-Guard 160</b>	160 is a three to four coat metallic epoxy flooring system designed to produce a vibrant and unique marbled look.	See Metallic color card.
●	<b>Poly-Guard 162</b>	162 is a decorative polyscapes floor system.	See Scapes color card.
●	<b>Poly-Guard 170</b>	170 is a 3 coat steel and concrete coating system formulated to provide excellent abrasion, graffiti and UV resistance.	White, Warm Sun, Light Gray. Custom colors upon request.

●	<b>Deco-Guard 211</b>	211 is a 1/8" to 3/16" thick slurry flooring system made up of 100% solids epoxy	See Standard Color card.
●	<b>Deco-Guard 241</b>	241 is a solid-colored 1/8"- 3/16" chemical and slip resistant urethane concrete flooring system.	Tan, Medium Gray, Tile Red, Black. Custom colors upon request.
●	<b>Deco-Guard 242</b>	242 is a 1/8" to 3/16" color quartz broadcast urethane concrete flooring system with a polyaspartic topcoat.	See Quartz color card.
●	<b>Deco-Guard 243</b>	243 is a 1/8" to 3/16" urethane concrete flooring system with a flake broadcast.	See Flake color card.
●	<b>Deco-Guard 260</b>	260 is an 1/16" decorative flake or quartz wall system with a polyaspartic topcoat.	See Flake and Micro Quartz color card.
●	<b>Deco-Guard 261</b>	261 is a 1/8" slurry decorative Micro-Quartz flooring system.	See Micro Quartz color card.
●	<b>Deco-Guard 262</b>	262 is a decorative flake broadcast flooring system with multiple options for basecoats and topcoats.	See Flake color card.

●	<b>Wear-Guard 310</b>	310 is a general service 100% solids troweled epoxy mortar system.	See Standard Color card. Custom colors upon request.
●	<b>Wear-Guard 315</b>	315 is a decorative troweled mortar system that consists of proprietary aggregates and/or recycled colored glass.	See Quartz and Terrazzo Rock color card.
●	<b>Wear-Guard 317</b>	317 is a 1/8" to 1/4" slurry terrazo system that provides an extremely durable and attractive floor.	See SLT Color Card
●	<b>Wear-Guard 341</b>	341 is a 1/4" chemical resistant urethane concrete mortar flooring system.	Tan, Medium Gray, Tile Red, Black. Custom colors upon request.
●	<b>Wear-Guard 360</b>	360 is a solid colored epoxy mat lay up wall system designed to be applied over drywall to increase impact and abrasion resistance.	Warm Sun, Light Gray and White. Custom colors upon request.

●	<b>Flex-Guard 460</b>	460 is a state of the art solid colored urethane sports surface designed to provide a higher level of safety than traditional systems.	Warm Sun, Light Gray and White. Custom colors upon request.
●	<b>Flex-Guard 461</b>	461 is a scapes urethane soft floor designed to provide a soft walking/working surface.	See Scapes color card.
●	<b>Flex-Guard 462</b>	462 is a urethane elastomeric soft flooring system incorporating EPDM flexible particles producing a unique textured surface.	Warm Sun, Light Gray and White. Custom colors upon request.

●	<b>Traffic-Guard 522</b>	522 is a light duty 100% solids urethane elastomeric parking deck system.	Tan, Light Gray and Medium Gray. Custom colors upon request.
●	<b>Traffic-Guard 523</b>	523 is a medium duty 100% solids urethane elastomeric parking deck system.	Tan, Light Gray and Medium Gray. Custom colors upon request.
●	<b>Traffic-Guard 524</b>	524 is a heavy duty, aggregate filled, 100% solids urethane elastomeric parking deck system.	Tan, Light Gray and Medium Gray. Custom colors upon request.



## **PILLARS FOR SUCCESS**

We believe that helping our partners achieve success and reach their goals is the best way for us to be successful.

We believe that building trust and a genuine relationship with our partners based on honesty, integrity and transparency is the standard.

We believe that committing to a culture of continuous improvement in all areas of our business is the best way to help our customers thrive in their business.

We believe in sourcing from American companies that create and support American jobs and families.

We believe innovation and technical advances in our product line are fundamental to ensuring our partners excel in their markets.

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Learn more about who we are.  
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**AMERICAN PRODUCTS SOURCED AND MADE IN AMERICA**



## HIGH-PERFORMANCE DECORATIVE & INDUSTRIAL COATINGS



## CORE PRODUCTS GUIDE

### Polymer Nation - P Series (Primers)

The data provided is based on temperatures of 72-75°F and 30 – 50% RH. Significant variations from these temperatures and RH ranges will provide different data. Please consult with Polymer Nation for additional resources and data required for your specific project.

Product	Description	Color	Packaging	% Solids	Mix Ratio	Application Temp.	Working Time	Recoat Time	Return to Service	Full Cure	Coverage		UV Stability Scale: 1-5	Alternate Speeds	Substrate % RH	Notes
											(Mils)	(Sq ft/gal)				
P-03	WB Epoxy Primer	Clear & WB Color Packs	2.5 & 25 gal	36%	1A:4B	60-90°F	15-20 min	8-24 hrs	8-12 hrs	7 days	4-8	200-400	1	N	<99	
P-20	Pigmented Polyurea Primer	Lt Gray, Tan, & Beige	3 gal	100%	2A:1B	60-90°F	20-25 min	2-24 hrs	3-4 hrs	7 days	8	200	1	Y	<75	C-55 Accelerator - Working time: 10-15 minutes Return to Service: 1.5-2 hours
P-21	Polyurea Primer	Clear & Color Packs	3 gal	100%	2A:1B	60-90°F	20-25 min	2-24 hrs	3-4 hrs	7 days	8	200	1	Y	<75	C-55 Accelerator - Working time: 10-15 minutes Return to Service: 1.5-2 hours
P-30	Epoxy Primer Vertical	Clear Paste	3 gal	100%	2A:1B	60-90°F	25-35 min	10-24 hrs	12-16 hrs	7 days	12-20	80-135	2	N	<75	
P-99	Epoxy Moisture Vapor Barrier	Clear & Color Packs	3 & 15 gal	100%	2A:1B	60-90°F	15-25 min	8-24 hrs	16-24 hrs	7 days	16	1 coat – 100	2	N	<99	
											10	2 coats – 160 per coat				

### Polymer Nation - F Series (Flooring) Epoxy

The data provided is based on temperatures of 72-75°F and 30 – 50% RH. Significant variations from these temperatures and RH ranges will provide different data. Please consult with Polymer Nation for additional resources and data required for your specific project.

Product	Description	Color	Packaging	% Solids	Mix Ratio	Application Temp.	Working Time	Recoat Time	Return to Service	Full Cure	Coverage		UV Stability Scale: 1-5	Alternate Speeds	Substrate % RH	Notes
											(Mils/in)	(Sq ft/gal)				
F-00	Standard Pigmented Epoxy	White Base, Tintable with 1339 Color Packs (Pastels), Light Gray, Medium Gray, Beige	3, 15, 165 gal	100%	2A:1B	60-90°F	30-45 min	10-24 hrs	24 hrs	7 days	80-20	80-200	2	Y	<75	Fast Set Hardener - Working time: 10-15 minutes Return to Service: 3-5 hours
F-01	Standard Epoxy	Clear & Color Packs	3, 15, 165 gal	100%	2A:1B	60-90°F	30-45 min	10-24 hrs	24 hrs	7 days	80-20	80-200	2	Y	<75	Fast Set Hardener - Working time: 10-15 minutes Return to Service: 3-5 hours
F11-TD	Clear Epoxy Trowel Down	Clear & Color Packs	4, 220 mix	100%	2A:1B	60-90°F	30-45 min	8-24 hrs	24 hrs	7 days	1/4"	23 sq ft/mix: 4 mixes per kit	2	Y	<75	Fast Set Hardener - Working time: 10-15 minutes Return to Service: 3-5 hours
F11-SL	Clear Epoxy Slurry	Clear & Color Packs	1 mix	100%	2A:1B	60-90°F	30-45 min	10-24 hrs	24 hrs	7 days	1/8"	66 sq ft/kit	2	Y	<75	Fast Set Hardener - Working time: 10-15 minutes Return to Service: 3-5 hours
F-41	UV Resistant Epoxy	Clear & Color Packs	3,15, 165 gal	100%	2A:1B	60-90°F	30-45 min	10-24 hrs	24 hrs	7 days	10-20	80-160	3.5	N	<75	
L-21	Novolac Epoxy	Clear & Color Packs	3,15, 150 gal	100%	2A:1B	60-90°F	10-15 min	4-24 hrs	12-24 hrs	7-10 days	10-16	100-160	2	N	<75	
SP-33	ESD Epoxy	Light Gray, Medium Gray, Dark Gray	5 gal	100%	2A:1B	60-90°F	30-45 min	10-24 hrs	24 hrs	7 days	16-20	80-100	2	N	<75	

### F Series (Flooring) Urethane Concretes

F-52 SL28	Urethane Concrete Thin Slurry	Natural, Tile Red, Light Gray, Medium Gray, Dark Gray, Black	1, 262 mix	100%	Pre-measured kits	60-90°F	15-20 min	6-24 hrs	16-24 hrs	7 days	1/8"	45 sq ft/kit	1	Y	<99	C-55 Accelerator Working time: 8-10 minutes Return to Service: 4-6 hours
F-52 SL36	Urethane Concrete Slurry	Natural, Tile Red, Light Gray, Medium Gray, Dark Gray, Black	1, 262 mix	100%	Pre-measured kits	60-90°F	15-20 min	6-24 hrs	16-24 hrs	7 days	3/16-1/4"	28-35 sq ft/kit	1	Y	<99	C-55 Accelerator Working time: 8-10 minutes Return to Service: 4-6 hours
F-52 TD	Urethane Concrete Trowelable	Natural, Tile Red, Light Gray, Medium Gray, Dark Gray, Black	1, 262 mix	100%	Pre-measured kits	60-90°F	15-20 min	6-24 hrs	16-24 hrs	7 days	1/4-3/8"	36-50 sq ft/kit	1	Y	<99	C-55 Accelerator Working time: 8-10 minutes Return to Service: 4-6 hours
F-52 D	Urethane Concrete Dressing	Natural, Tile Red, Light Gray, Medium Gray, Dark Gray, Black	1, 262 mix	100%	Pre-measured kits	60-90°F	10-15 min	8-24 hrs	16-24 hrs	7 days	25	160 sq ft/kit	1	Y	<99	C-55 Accelerator Working time: 8-10 minutes Return to Service: 4-6 hours
F-52 AD	Urethane Concrete Dressing - Aliphatic	Natural, Tile Red, Light Gray, Medium Gray, Dark Gray, Black	1, 262 mix	100%	Pre-measured kits	60-90°F	10-15 min	8-24 hrs	16-24 hrs	7 days	25	160 sq ft/kit	4	N	<99	

### Polymer Nation - W Series Wall Vertical

Product	Description	Color	Packaging	% Solids	Mix Ratio	Application Temp.	Working Time	Recoat Time	Return to Service	Full Cure	Coverage		UV Stability Scale: 1-5	Alternate Speeds	Substrate % RH	Notes
											(Mils/in)	(Sq ft/gal)				
W-31	Epoxy Cove Gel	Clear & Color Packs	3 quarts	100%	2A:1B	60-90°F	25-35 min	10-24 hrs	12-16 hrs	7 days	1/4"	48 lineal ft - 4" 36 lineal ft - 6"	2	N	<75	See P-30 for Vertical Primer
W-80	Pigmented Epoxy Wall Coating	White Base, Tintable with 1340 Color Packs (Pastel)	1.5 gal	100%	2A:1B	60-90°F	30-45 min	10-24 hrs	24 hrs	7 days	8-20	80-200	2	N	<75	See P-30 for Vertical Primer

## Polymer Nation – F Series (Flooring) Polyaspartics

Product	Description	Color	Packaging	% Solids	Mix Ratio	Application Temp.	Working Time	Recoat Time	Return to Service	Full Cure	Coverage		UV Stability Scale: 1-5	Alternate Speeds	Substrate % RH	Notes
											(Mils/in)	(Sq ft/gal)				
F-60	Pigmented Polyaspartic – Slow	White Base, Tintable with 1339 Color Packs (Pastel)	3 & 15 gal	93%	2A:1B	60-90°F	15-20 min	8-24 hrs	18-24 hrs	7 days	5-15	110-300	5	N	<75	Factory Pigmented Colors available with minimum order quantities.
F-61	Polyaspartic – Slow	Clear & Color Packs	2.5, 5, 10 gal	83%	1A:1B	60-90°F	15-20 min	8-24 hrs	18-24 hrs	7 days	5-15	110-300	5	N	<75	
F-70	Pigmented Polyaspartic – Medium	White Base, Tintable with 1339 Color Packs (Pastel)	3 & 15 gal	93%	2A:1B	60-85°F	10-15 min	4-24 hrs	14-16 hrs	7 days	5-15	110-300	5	N	<75	Factory Pigmented Colors available with minimum order quantities.
F-71	Polyaspartic – Medium	Clear & Color Packs	2.5, 5, 10 gal	83%	1A:1B	60-85°F	10-15 min	4-24 hrs	14-16 hrs	7 days	5-15	110-300	5	N	<75	
F-80	Pigmented Polyaspartic – Fast	White Base, Tintable with 1339 Color Packs (Pastel)	3 & 15 gal	93%	2A:1B	55-80°F	5-10 min	1-24 hrs	10-12 hrs	7 days	5-15	110-300	5	N	<75	Factory Pigmented Colors available with minimum order quantities.
F-81	Polyaspartic – Fast	Clear & Color Packs	2.5, 5, 10 gal	83%	1A:1B	55-80°F	5-10 min	1-24 hrs	10-12 hrs	5 days	5-15	110-300	5	N	<75	
SP-61	Polyaspartic – Slow	Clear & Color Packs	2 & 10 gal	95%	1A:1B	60-90°F	15-20 min	8-24 hrs	24 hrs	7 days	5-12	135-300	4	N	<75	
SP-71	Polyaspartic – Medium	Clear & Color Packs	2 & 10 gal	95%	1A:1B	60-90°F	10-15 min	4-24 hrs	16-24 hrs	7 days	5-12	135-300	4	N	<75	
SP-81	Polyaspartic – Fast	Clear & Color Packs	2 & 10 gal	95%	1A:1B	55-80°F	5-7 min	4-24 hrs	10-12 hrs	5 days	5-12	135-300	4	N	<75	

## Polymer Nation – U Series (Urethane Topcoats)

The data provided is based on temperatures of 72-75°F and 30 – 50% RH. Significant variations from these temperatures and RH ranges will provide different data. Please consult with Polymer Nation for additional resources and data required for your specific project.

Product	Description	Color	Packaging	% Solids	Mix Ratio	Application Temp.	Working Time	Recoat Time	Return to Service	Full Cure	Coverage		UV Stability Scale: 1-5	Alternate Speeds	Substrate % RH	Notes
											(Mils/in)	(Sq ft/gal)				
U-20	2K WB Pigmented Urethane - Gloss & Satin	White, Light Gray, Medium Gray, Beige	2.5 gal	58%	4A:1B	60-85°F	10-15 min	4-24 hrs	18-24 hrs	7 days	4-6	250-400	4.5	N	<99	Gloss & Satin available. Additional colors available upon request.
U-21	2K WB Urethane - Gloss & Satin	Clear & WB Color Packs	2 gal	53%	3A:1B	60-85°F	10-15 min	4-24 hrs	18-24 hrs	7 days	4-6	250-400	4.5	N	<99	Gloss & Satin available.
U-51	Moisture Cure Urethane – High Gloss	Clear & Color Packs (1340)	1 gal	>98%	Single Component	60-90°F	25-35 min	8-24 hrs	24 hrs	7 days	3-4	400-500	5	Y	<75	U-51 Accelerator; 8:1 (U-51:Accelerator) mix ratio by volume. Gloss & Matte available.
U-91	Flexible Membrane - Aliphatic	Clear & Color Packs (1340)	3 gal	100%	Pre-measured kits	60-90°F	25-35 min	4-24 hrs	16-24 hrs	7 days	10-50	30-160	5	N	<75	Application thickness dependent on system selection.

## Polymer Nation – SP Series (Patches & Joint Treatments, Specialty Products)

Product	Description	Color	Packaging	% Solids	Mix Ratio	Application Temp.	Working Time	Recoat Time	Return to Service	Full Cure	Coverage		UV Stability Scale: 1-5	Alternate Speeds	Substrate % RH	Notes
											(Mils/in)	(Sq ft/gal)				
SP-15	Epoxy Patch/ Joint Fill (3-component)	Wet Concrete	.5 gal	100%	2A:1B: Part C (Crushed Glass Flour Filler)	55-90°F	10-15 min	3-24 hrs	4-6 hrs	7 days	NA	150 LF @ ¼" x ¼" joint	1	N	<75	
SP-16	Rapid Patch Urethane – Aromatic	Clear	2 gal	50%	1A:1B	55-85°F	3-5 min	30 min-24 hrs	30 min-1 hr	7 days	NA	Patch/ Crack Fill	1	N	<75	
SP-20	Flexible Urethane Membrane	Light Gray	5 gal	100%	Pre-measured kits	60-90°F	15-20 min	8-24 hrs	12-24 hrs	7 days	20-30	50-80	1	N	<75	
SP-24	Flexible Urethane Wear Surface	Light Gray, Dark Gray, Tan, Black	5 gal	100%	Pre-measured kits	60-90°F	15-25 min	12-24 hrs	24 hrs	7 days	15-25	64-110	4	N	<75	



## Polymer Nation – Miscellaneous Products

The data provided is based on temperatures of 72-75°F and 30 – 50% RH. Significant variations from these temperatures and RH ranges will provide different data. Please consult with Polymer Nation for additional resources and data required for your specific project.

Product	Description	Color	Packaging	% Solids	Mix Ratio	Application Temp.	Working Time	Recoat Time	Return to Service	Full Cure	Coverage		UV Stability Scale: 1-5	Direct to Concrete	Alternate Speeds	Substrate % RH
											(Mils/in)	(Sq ft/gal)				
C-22	Liquid Cleaner	Clear	5 gal	10%	NA	60-90°F			NA		NA			NA		
C-23	Liquid Degreaser	Clear	5 gal	30%	NA	60-90°F			NA		NA			NA		
C-55	Polyurea/Urethane Concrete Accelerator	Clear	1 oz	<10	NA	See P-20/P-21 or F-52 products					NA		NA			
C-99	Low Odor Solvent Cleaner	Clear	1 gal	0	NA	60-90°F			NA		NA			NA		

Terms Key (description of terms)

NA: Not applicable

Working Time: The amount of time at a known temperature and relative humidity range that a product can be handled and perform as described.

UV Stability: Polymer Nation products rated on a scale of 1-5. 1 - Poor. 5 - Best

All coatings with exterior exposure may yellow due to acid rain, pollutants and other potential environmental factors.

Substrate % RH: As tested based on ASTM F2170



## Setting the Standard For What A Resinous Supplier Should Be!

Polymer Nation is an American chemical company focused on the development of cutting-edge coating technology for the decorative and industrial coatings, lining and flooring marketplace. Our goal is to create products that open doors for those who use them and to make the installation process as easy and predictable as possible.



While the Polymer Nation company may be new, its founders and employees are not. With nearly 100 years of experience in our leadership ranks, we believe we have assembled one of the strongest teams in the coatings marketplace.

Explore our full product line and colors for your next project at [polymernation.com](http://polymernation.com)

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