

nyb STANDARD FINISHES

Standard Prep High Pressure Chemical Wash

nyb Green Air-Dried Enamel GP Fans GI Fans SWSI Acf/PLR/BC Fans DWDI Acf Fans Tubular AcostaFoil Fans Axial Fans OEM and Replacement Parts Series 60 Fans RTS Fans AF Fans Plenum Fans Type HP Pressure Blowers SLPB BC Pressure Blowers BC-2200	nyb Green Polyester Powder GP Fans SWSI CL 1,2,3 SWSI CL 4 [Through 24] DWDI Arr.3 Junior Fans Unit Heaters Plenum Propeller Fans [Model N] Pressure Blowers Compact GI Fans GI Fans Compact Pressure Blowers	High-Temperature Gray Enamel Plug Fans Air Kits FRP Coating System - Alkyd Primer, Epoxy Topcoat [Exterior] FRP GP Fume Exhauster FRP Fume Exhauster FRP Radial Fume Exhauster FRP Pressure Blowers Safety Yellow Powder Guards Weather Covers
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Notes:

- 1.SP6 and SP10 commercial blasts also available
- 2.nyb reserves the right to substitute alternative finishes as necessary

AVAILABLE STOCK COATINGS

Group 4 Coating Type	Finish Color	RAL	Coating Code	Dry Film Thickness in Mils	Number of Coats	Maximum Operating Temp. (°F)
Heresite VRL514 ¹	Brown	-	86	1 - 2	2	200
Epoxy ¹	Blue	5015	90	4 - 8	2	250
	Gray	7046	95	4 - 8	2	250
	White	9016	85	4 - 8	2	250
	Tan	101	94	4 - 8	2	250
	Black	7021	50	4 - 8	2	250
Polyurethane	White	9016	87	1 ½ - 2	2	200
	Blue	5015	89	1 ½ - 2	2	200
	Gray	7042	44	1 - 2	2	200
Enamel	Black	9017	96	1 ½ - 2	1	200
	Yellow	1023	88	1 ½ - 2	2	200
	Orange	2009	97	1 ½ - 2	2	200
Silicone Alkyd	High Temp. Gray	-	92	½ - 1	1	1000
Powder	Slate Gray	-	40	-	1	250
Primer ²	Gray Alkyd	-	84	1 ½ - 2	1	200
Epoxy/Polyurethane	White	9016	79	4 - 6	2	200
	Blue	5015	78	4 - 6	2	200
	Gray	7042	76	4 - 6	2	200

Notes:

1. Not suitable for prolonged exposure to U.V. radiation (sunlight) without a suitable topcoat.
2. Offered as primer only. May not be suitable for field applied finish.
3. RAL color match available for most coating types.

Standard Surface Preparation



Catalog Sheet CS-931

A. High Pressure Chemical Wash - nyb Green Water-Borne Alkyd Enamel

- Axial Fans - *FLD*
- AF-Thirty, AF-Forty, AF-Fifty Fans
- BC-15, BC 20, BC-30, BC-40 Fans
- Backward Curved Pressure Blowers
- Class 1, 2, & 3 AcF/PLR Fans - *Size 30 - 89*
- Class 4 AcF/PLR Fans - *Size 18 - 89*
- Double-Width AcF Fans - *Size 30 - 73*
- High Pressure Backward Curved Fans
- Plenum Fans - *Size 33 - 73*
- RTS Fans
- Series 20 Fans - *Size 294 - 854*
- Series 30 Fans - *Size 144 - 854*
- Series 45 Fans - *Size 224 - 854*
- Series 60 Fans
- Tubular Acoustafoil Fans
- Type HP Pressure Blowers - *Leitchfield*
- Surge-Limited Pressure Blowers
- BC-2200 Fans

B. High Pressure Chemical Wash - nyb Green Baked Polyester Powder Coating

- Class 1, 2, & 3 AcF/PLR Fans - *Size 10 - 27*
- Compact GI Fans
- Double-Width AcF Fans - *Size 10 - 27*
- General Purpose Fans
- Junior Fans
- Plenum Fans - *Size 12 - 30*
- Pressure Blowers - *70°F - 500°F*
- Propeller Fans - *Direct Drive*
- Series 20 Fans - *Size 144 - 264*
- Unit Heaters
- Compact Pressure Blowers

B. High Pressure Chemical Wash - Safety Yellow Powder Coating

- Belt Guards
- Coupling Guards
- Shaft & Bearing Guards
- Weather Covers

Standard Paint Procedures

1. Part Cleaning

Wash stations are situated throughout New York Blower's metal fabrication plants to wash all fan assembly components and phosphatize their surfaces before paint application. These parts are cleaned to remove excess oils, greases, and other contaminants. Parts are washed with a high pressure, heated phosphate cleaning solution. The chemical reaction between the iron phosphate of the solution and the steel results in an etching of the metal surface. The etching improves the bond between the metal and the paint, and enhances corrosion resistance. Chemical levels in all wash systems are checked daily to insure a fine quality.

Replacement parts and individual components are hand-washed with a solvent-based cleaning solution prior to painting.

2. Paint Application and Inspection

Where two-coat systems are required, an undercoat of nyb paint is applied after cleaned parts and/or assemblies have dried. The undercoat is applied with a conventional air spray gun. After the undercoat has dried, the selected final coating is also applied in the same manner. Similarly, one-coat systems, such as high temperature paint and baked enamel, are applied with a conventional air spray gun after cleaned parts and/or assemblies have dried.

All coating applications, including undercoat, are inspected by New York Blower Quality Control Inspectors for coating thickness, evenness of coverage, and missed areas. Thickness and evenness are measured in various randomly selected locations with a magnetic paint thickness gauge. General application and coating appearance are inspected visually.

Standard Paint Procedures Continued...



3. Paint Selection and Testing

All New York Blower applied coatings are tested in our Laboratory for adhesion, hardness, and corrosion resistance properties at the time the coating supplier is selected. Periodic spot checks are done of the paints currently in use on the factory floor. Rectangular coupons are prepared in the same fashion as ordinary metal parts and sent to the laboratory for testing. Any degradation in these properties for the production paints results in an investigation into the cause of the change. New York Blower enjoys full cooperation of its paint supplier(s) with any investigation into paint failures.

The nyb Laboratory uses the following ASTM Test Standards to evaluate paints:

ASTM B 117 - Standard Method of Salt Spray (Fog) Testing

ASTM D 610 - Standard Test Method for Evaluating Degree of Rust on Painted Surfaces

ASTM D 714 - Standard Test Method for Evaluating Degree of Blistering Paints

ASTM D 772 - Standard Test Method for Evaluating Degree of Flaking (Scaling) of Exterior Paints

ASTM D 3363 - Standard Test Method for Film Hardness by Pencil Test

Standard Coating Information

Detail	nyb Green Enamel	nyb Green Powder	High-Temp Gray Enamel	Gray Epoxy	Safety Yellow Powder
Salt Spray Hours	200 Hours	500 Hours	<i>Not Available</i>	1,500 Hours	1,000 Hours
Max Temperature	250°F	250°F	1000°F	200°F	400°F
Weather Resistance	Good UV Resistance	Good UV Resistance	Excellent UV Resistance	Limited UV Resistance	Good UV Resistance
Humidity Resistance	<i>Not Available</i>	1,000 Hours	<i>Not Available</i>	3,180 Hours	1,000 Hours
Pencil Hardness	<i>Not Available</i>	H	B	<i>Not Available</i>	2H+

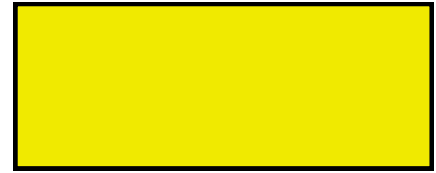
Color Card



CC93 - nyb Green Enamel
RAL - See Note 2



CC92 - High Temp. Gray Enamel
RAL - See Note 2



CC88 - Safety Yellow Enamel
RAL 1023



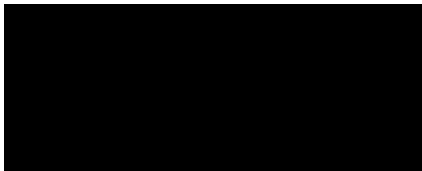
CC95 - Gray Epoxy
RAL 7046



CC85 - White Epoxy
RAL 9016



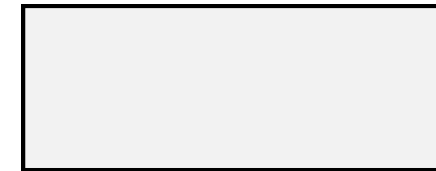
CC44 - Gray Polyurethane
RAL 7042



CC96 - Black Enamel
RAL 9017



CC90 - Blue Epoxy
RAL 5015



CC87 - White Polyurethane
RAL 9016



CC97 - Safety Orange Enamel
RAL 2009



CC50 - Black Epoxy Enamel
RAL 7021



CC89 - Blue Polyurethane
RAL 5015



CC94 - Tan Epoxy
RAL 1014



CC86 - Brown Heresite VR504L
Phenolic

Notes:

1. The colors shown on this paint card approximate actual paint colors
2. Reference Sales Bulletin SB-112 for color match formula

