

# FleetSpec™ 1235

HS HB Semi-Gloss Premium Urethane Topcoat



## Description:

Fleet-Spec is the newest technology in High Solids High Build rheology. 1235 offers consistent semi-gloss retention, chemical resistance, and long-lasting durability. The 1235 provides outstanding coverage and film build when desired.

## Suggested Uses:

As a high-performance polyurethane topcoat over properly prepared and primed aluminum, carbon steel, fiberglass, plastics and many other substrates where:

- Long term color retention is desired
- Long term satin gloss retention is required
- Excellent chemical resistance is required
- Excellent Skydrol® resistance is needed
- Outstanding flexibility is required
- Application by HVLP, Low Pressure Air assisted airless Pressure Pot.

## Common Applications:

- Marine & Aircraft
- Heavy Equipment
- Airport Ground Support Equipment
- Fleet Refinish
- Truck and Trailer OEM and Refinish
- Many more applications

## System Components:

- 1235 Series Color
- ACT55 for National Rule
- ACTLV55 for 3.5 VOC
- ACTZ45 for 2.8 VOC
- No reducer recommended

Material Properties	
Gloss Level (60° angle)	35-45
Weight Solids	52% (average)
Volume Solids	63% (average)
VOC	2.8 - 4.2 depending on activator used
Pot Life	2 Hours @ 70°F
Dry Times	Tack Free: 15 Minutes Dry To Touch & Handle: 4 Hours Through Cure: 12 Hours

## VOC

- When mixed 2 Parts 1235 series color to 1 Part ACT55, VOC is 4.2 pounds per gallon
- When mixed 2 Parts 1235 series color to 1 Part ACTLV55 VOC is 3.5 pounds per gallon.
- When mixed 2 Parts 1235 series color to 1 Part ACTZ45, VOC is 2.8 or below pounds per gallon.

## Coating Compatibility: FleetSpec 1235 may be applied over any of the following

- 850 MS Epoxy Primer
- 825 FD Epoxy Primer
- 835G EPOXY PRIMER SEALER
- 306 Zinc Rich Urethane DCC Primer
- 950 High Build Urethane Primer

1235 may be applied over most aged and cured coatings in good condition. Testing for lifting, bubbling, and adhesion is recommended to assure compatibility with unknown coatings.

## Color:

FleetSpec™ 1235 utilizes the Baril ColorLinks™ intermix platform. ColorLinks™ offers a formula lookup software package with most all of the popular Fleet and Industrial color selections. Available in solid-color, metallic and pearl finishes, ColorLinks™ lab technicians can also custom match colors as required.

Color is available as a pre-mixed factory pack or in a toner bank platform for on-site color matching.



### Cure Times (Hours @77° F):

Description	Brush / Roll	Pressure Pot	"Low Pressure" Air-Assisted Airless	HVLP
DTF - Mils.	2-2.5	3-4	3-5	2-3
To Touch	2	2.5	2.5	2.0
Melt In	45 min.	50 min.	50 min.	45 min.
Tack Free	1	1.5	1.5	1
To Handle	3	3-4	3-4	3
To Recoat	8	12	12	8
Dry	12	14	14	12
Full Cure	5 days	5 days	5 days	7 days

### Application:

Surface Preparation: Can be applied after proper flash time without sanding of the following products. 850 MS, 835, 825, 360, . If a smoother finish is required and you wish to sand any of these primers after they have been properly cured. Finish sand should be with 220 grit to 400 grit sandpaper. Clean and tack surface off before applying topcoat.

### Theoretical Coverage:

1011 ft<sup>2</sup> @ 1 mil DFT (100% transfer efficiency)

506 ft<sup>2</sup> @ 2 mils DFT (100% transfer efficiency)

Material losses during mixing and application (transfer efficiency) should be taken into consideration when estimating job requirements. For example, HVLP or Pressure Pot has a transfer efficiency rating of 65%. So, theoretical coverage at 1 mil DFT would be 657 ft<sup>2</sup> utilizing HVLP or Pressure Pot. Transfer efficiency will vary depending upon object painted and application method.

### Application Details

Mix Ratios	2 Parts 1235 Series Color to 1 Part Selected Activator.
Application Environment	Do not apply if the surface temperature of the object to be painted is below 50°F (10°C) or above 95° F (32.2° C).
Application Equipment	Contact Your Baril Coatings Rep-resentative for specific application equipment recommendations.
Shelf Life	2 years from date of manufacture. Store in a well-ventilated area. Storage conditions should be between 35° F (2° C) and 120° F (48° C). Shake up or Stir Up completely before Activation and Application.
Maximum Service Temperature	250-275° F for continuous ser depending on color (121-135° C) 300° F in intermittent heat (148° C)

**Safety:**

Refer to Safety Data Sheet for complete safety instructions. The Painters Technical Information Sheet has been compiled in good faith for your convenience and guidance.

Material Performance		
Abrasion Resistance	ASTM D 4060	Excellent
Adhesion	ASTM D 4541	1850 PSI
	ASTM D 3359 A/B	5/5
Salt Spray Resistance	ASTM B 117	Pass 1500 hrs
Direct Impact	ASTM D 2794	140 in-lb
Reverse Impact	ASTM D 2794	50 in-lb
Humidity Resistance	ASTM D 2247	Pass 1000 hrs
Film Hardness	ASTM D 3363	3H
QUV A	ASTM D 4587	97% @ 1500 hrs
Initial Gloss @ 60°	ASTM D 523	60-75 min
Solvent Resistance	ASTM D 4752	1000 MHR
Flexibility	ASTM D 522	Excellent

Chemical Resistance: ASTM D 1308	
Chemical	Rating 10:best, 1:worst
10% Sodium Hydroxide	10
Diesel Fuel	10
10% Ammonia	10
100% Ethanol	10
10% Sulfuric Acid	10
10% Phosphoric Acid	10
MEK (Methyl Ethyl Ketone)	10
Gasoline	10
Skydrol	10
DOT 3 Brake Fluid	10

**Warranty / Disclaimer:**

The technical data and other printed information furnished are true and accurate to the best of our knowledge. The products are warranted pursuant to acceptance of limited warranty. A copy of which can be obtained from Baril Coatings, which is the exclusive warranty with respect to the sale of this product. The modification of any component or uses not outlined in this bulletin nullifies the warranty unless advance written confirmation is obtained from Baril Coatings. No other warranties expressed or implied shall apply. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, shall be to supply replacement materials as set forth in the limited warranty.