

FleetSpec™ 1234

Flat Finish
Premium Polyurethane Top-Coat™



Description:

Fleet-Spec is the newest technology in High Solids High Build rheology. 1234 offers consistent color retention, chemical resistance, and long-lasting durability. The 1234 provides outstanding coverage and film build when desired.

Advantages:

- Long-term color retention
- Application of multiple back to back coats without runs
- Excellent chemical resistance
- Skydrol® resistant
- Superior flexibility
- Long working times and user-friendly application
- Application by HVLP, Low Pressure Air Assist Airless or Pressure Pot

Common Applications:

- Marine & Aircraft
- Heavy Equipment
- Airport Ground Support Equipment
- Truck and Trailer OEM and Refinish

System Components:

- 1234 Series Color
- ACT45
- ACTLV45
- ACTZ35
- Base Component
- Activator
- 3.5 VOC Activator
- Zero VOC Activator

Surface Preparation:

Can be applied after proper flash time without sanding over any compatible primer as listed below. If sanding of primer is desired, sanding should be completed with a 220 grit to 400 grit sandpaper. Surface must be cleaned and tacked prior to applying topcoat.

Mixing:

Mix 2-Part 1234 Series Color to 1-Part selected activator. May be reduced 10-20% as needed

Coating Compatibility: FleetSpec 1234 may be applied over any of the following:

- 850 MS Epoxy Primer
- 825 FD Epoxy Primer
- 853 MS Epoxy Primer
- 306 Zinc Rich Urethane Primer
- 950 High Build Urethane Primer

Existing Coatings:

- 1234 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™ 1234 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.

Material Properties	
Gloss Level (60° angle)	7%-10%
Weight Solids	52% (average)
Volume Solids	63% (average)
VOC	4.2 lbs/gal: 2-Parts 1234 series color to 1-Part ACT45 3.5 lbs/gal: 2-Parts 1234 series color to 1-Part ACTLV45 2.8 lbs/gal: 2-Parts 1234 series color to 1-Part ACTZ35
Pot Life (70°F/21°C)	2-hours
Theoretical Coverage	1011 ft ² @ 1 mil DFT 506 ft ² @ 2 mils DFT
Practical Coverage	Material losses during mixing & application (transfer efficiency) should be accounted for. HVLP or Pressure Pot for example has a transfer efficiency of 65%, or 65% of theoretical coverage.



Cure Schedule (hours @ 70°F):

Description	Brush/Roll	Pressure Pot	“Low Pressure” Air-Assisted Airless	HVLP
DFT-Mils. Per Coat	2-2.5	3-4	3-5	2-3
To Touch	2.0	2.5	2.5	2.0
Melt In	45 min.	50 min.	50 min.	45 min.
Tack Free	1.0	1.5	1.5	1.0
To Handle	3.0	3-4	3-4	3
Pot Life	2	2	2	2
To Re-coat	8	12	12	8
Dry	12	14	14	12
Full Cure	5 days	5 days	5 days	5 days

Application Details

Mix Ratios	2 Part 1234 Series Color to 1 Part Selected Activator
Reducer	Not recommended
Activators	ACT45 for National Rule ACTLV45 for 3.5 VOC ACTZ35 for 2.8 VOC
Application Environment:	Do not apply if the surface temperature of the object to be painted is below 55°F (12.8°C) or above 100°F (37.8°C)
Application Equipment	Contact Your Baril Coatings Representative 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.
Cleaning Instructions	Clean immediately after application using MEK

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.

Material Performance

Abrasion Resistance	ASTM D 4060	Excellent
Adhesion	ASTM D 4541	1850 PSI
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	94 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

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