

FleetSpec™ 1230

HS HB
Premium Urethane Top-Coat™



Description:

Fleet-Spec 1230 represents the latest in high-solids high-build rheological paint technology. Exclusively designed for fleet, truck and heavy equipment OEM finish/refinish applications, FleetSpec™ 1230 offers outstanding gloss retention, chemical resistance, and long-lasting durability. The 1230 provides outstanding coverage and film build when desired. It can be used as a high-performance polyurethane topcoat over properly prepared and primed aluminum, carbon steel, fiberglass, plastics and many other substrates. Application may be achieved by HVLP, Low Pressure Air Assisted Airless or Pressure Pot.

Advantages:

- Long-term color and gloss retention
- Application of multiple back to back coats without runs
- Excellent chemical resistance
- Skydrol® resistant
- Superior flexibility
- Long working times and user-friendly application

Common Applications:

- Industrial Refinishing
- Oil Rig Equipment
- Construction Equipment
- Airport Ground Support Equipment
- Truck and Trailer OEM and Refinish

System Components:

- 1230 Series Color Base
- ACT45 for 3.8 VOC National Rule
- ACTLV45 for 3.5 VOC
- ACTZ35 for < 2.8 VOC
- Suggested Baril reducer

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.

Coating Compatibility: FleetSpec 1230 may be applied over any of the following

- 850 MS Epoxy Primer
- 825 FD Epoxy Primer
- 305 and 306 Zinc Rich Urethane Primer
- 900 High Build Urethane Primer
- 750 ISO-Free 2k High Build DTM Primer

Existing Coatings: 1230 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™ 1230 utilizes the Baril ColorLinks™ intermix platform. ColorLinks™ offers unlimited color availability with a database comprising thousands of existing fleet color formulations. 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)	92+
Weight Solids	52% (average)
Volume Solids	63% (average)
VOC	3.8 lbs/gal: 1-Part 1230 series color to 1-Part ACT45 <1.8 lbs/gal: 1 Part 1230 series color to 1 Part ACTZ35
Pot Life (68°F/20°C)	1 hour
Theoretical Coverage	1011 ft² @ 1 mil DFT 506 ft² @ 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	NA	1.8-2.4	1.8-2.4	1.4-2.2
To Touch	NA	1.2	1.2	1.0
Melt In	NA.	30 min.	30 min.	25 min.
Tack Free	NA	25 min.	25 min.	30 min.
To Handle	NA	3-4	3-4	3
Pot Life	NA	1.0	1.0	1.0
To Re-coat	NA	14	14	12
Dry	NA	14	14	12
Full Cure	NA	7 days	7 days	7 days

Note: All of the above is for 2 back to back coats with a 25-30 minute flash time in between coats. Additional coats applied and elevated temperatures during both application and curing will impact the above specifications.

Application Details

Mix Ratios	1 Part 1230 Series Color to 1 Part Selected Activator
Reducer	May be reduced 10-20% with Baril recommended reducer
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 required cleaner following local regulations.

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

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.

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