

FleetSpec™ 1230

HS HB
Premium Urethane Top-Coat™



Description:

FleetSpec™ 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
- ACT45 for >3.5 VOC
- ACT45LV for ≤ 3.5 VOC
- ACTZ35 for ≤ 2.8 VOC
- Base Component
- Activator
- Low 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.

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

- 850 MS Epoxy Primer
- 825 FD Epoxy Primer
- 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 | 55% (average) |
| Volume Solids | 50% (average) |
| VOC | 1.27 - 3.55 lbs/gal depending on activator used |
| Pot Life (68°F/20°C) | 1 hour |
| 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 | Pressure Pot | “Low Pressure” Air-Assisted Airless | HVLP |
|--------------------|--------------|--|---------|
| DFT-Mils. Per Coat | 1.8-2.4 | 1.8-2.4 | 1.4-2.2 |
| To Touch | 1.2 | 1.2 | 1.0 |
| Melt In | 30 min. | 30 min. | 25 min. |
| Tack Free | 25 min. | 25 min. | 30 min. |
| To Handle | 3-4 | 3-4 | 3 |
| Pot Life | 1.0 | 1.0 | 1.0 |
| To Re-coat | 14 | 14 | 12 |
| Dry | 14 | 14 | 12 |
| Full Cure | 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 | 10-20% |
| Activators | ACT45 for National Rule ACTLV45 for 3.5 VOC ACTZ35 for 2.8 and below VOC |
| Application Environment: | Do not apply if the surface temperature of the object to be painted is below 50°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 completely before activation and application. |
| Cleaning Instructions | Clean immediately after application using MEK |

Material Performance

| | | |
|---------------------|-------------|----------------|
| Abrasion Resistance | ASTM D 4060 | Excellent |
| Adhesion | ASTM D 4541 | 1850 PSI |
| Direct Impact | ASTM D 2794 | 160 in-lb |
| Reverse Impact | ASTM D 2794 | 160 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.