

Product Data



Rust-Ex Acrylic Polyurethane Automotive Refinish URPAR Diamond Series

Description: **Excalibur's Automotive Refinish Series** uses a blend of the finest polyurethane resins available in today's market to satisfy the most demanding finishing requirements for a wide variety of transportation vehicles. This extremely tough, high performance coating is formulated to offer the very best in appearance, durability, color and gloss retention. Other unique properties include excellent substrate adhesion, solvent/water/chemical resistance, elasticity and corrosion protection.

Recommended Uses: Recommended for high end systems where a highly aesthetic, durable finish is required. Such uses include automobiles, trucks, bus and rail manufacturers.

PHYSICAL CONSTANTS

(Subject to normal manufacturing tolerances)

Finish: High Gloss 95+
Color / Shade: Various
Components: 2 (two)
Mixing Ratio: 4:1 Base to Activator
Volume Solids: 56% / US Gallon **mixed** (depending on color)

**Dry Time @77° F.
and 55% RH:**

Surface Temperature	Dry to Touch	Dry to Handle	Maximum Recoat Time	Fully Cured
60° F (16° C)	4 hours	12-14 hours	60 days	10 days
75° F (24° C)	2 hours	8-10 hours	45 days	7 days
90° F (32° C)	1½ hours	8 hours	30 days	5 days

Dry Heat Resistance: **Continuous:** 200° F. (93° C.)
Non Continuous: 250° F. (121° C.)
Discoloration and loss of gloss is observed above 180° F. (82° C.)

Theoretical Coverage: 359 sq. ft. / US gallon @ 2.5 mils DFT (no loss)

Recommended DFT: 2.5 - 3.0 mils or according to specification

Shelf Life: 24 months when stored indoors @ 75° F. (24° C.)

Storage Temp: 45° - 110° F. (7° - 43° C.)

Clean Up: Excalibur's R-030 Polyurethane Reducer

VOC: 3.10 lbs. / US gallon **mixed** as supplied (depending on color)

POT LIFE: 4 hours @ 70° - 80° F. @ 50% R.H.

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Surface Preparation: Remove all oil, grease and other contaminants by washing with solvent or surface cleaner/degreaser in accordance with SSPC-SP 1. Allow to dry prior to painting. **For maximum protection:** Abrasive blast to SA 2½, SSPC-SP 10. Minimum surface profile according to Keane Tator comparator 2.0 G/S.

Application Conditions:

Surface Condition	Surface Temperature	Ambient Temperature	Humidity
Normal	60°-85° F (16°-29° C)	60°-90° F (16°-32° C)	0-80%
Minimum	35° F (2° C)	35° F (2° C)	0%
Maximum	125° F (52° C)	110° F (43° C)	90%

Surface temperature **MUST** be 5° above the dew point to avoid condensation which can cause flash rusting and interfere with adhesion.

Application Equipment: Conventional • HVLP • Pressure Pot • Brush (touch-up only)

Mixing Instructions: Mix 1 Part B (UR-000 Activator) with 4 Parts A (Color). Stir thoroughly making sure no pigment remains on the bottom of the can and the color is uniform. **DO NOT** mix more material that will be used within the pot life time, approx. 4 hours. **These products are weighed while being packaged for accuracy. Mixing a partial kit is not recommended.**

Thinning: Thin up to 5% with Excalibur's R-030 Polyurethane Reducer as needed for flow.

Packaging:

1 Gallon (4 gal./case)	Approx. Shipping Weight:	42.00 lbs./cs
5 Gallon Pail	Approx. Shipping Weight:	52.00 lbs./ea.

Compatibility: If unsure about the compatibility of this product with other commodities, please contact an Excalibur technical service representative at 877-392-2542.

PRECAUTIONS

***** SAFETY ***** Packings are provided with applicable safety labels which should be observed. In addition, national and local regulations should be followed.

As a general rule, inhalation of solvent vapors or paint mist and contact of liquid paint with skin and eyes should be avoided. Forced ventilation should be provided when applying paint in confined spaces or stagnant air. Even when ventilation is provided, respiratory skin and eye protection are always recommended when painting. See complete Material & Safety Data Sheets for detailed health hazards and safety information.

DISCLAIMER and LIMITATION OF LIABILITY

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