

GlobalStar

LC.1.K1

High Gloss Low VOC & NR

2K Urethane Clearcoat

US/08232016LC.1.K1

Technical Data Sheet

Description

LC.1.K1 is a high gloss 2K Urethane Clearcoat made for the Automotive or Light Industrial & Fleet market. Water white clear eliminates concerns of color change over silver or white basecoat. Good choice for production work. LC.1.K1 is compliant in all restricted VOC areas or National Rule areas depending on Activator used.

Suggested Uses

As a high performance clearcoat for automotive, parts painting or truck painting over GlobalStar basecoat:

- Outstanding Gloss and color retention are desired.
- Outstanding flexibility is required.
- UV protection is important.
- Car finish appearance.
- Excellent DOI and leveling is required.

Field Applications

- OEM parts painting
- Recreational boat refinishes
- Airport ground support equipment
- Truck and Refinishing
- Commercial auto and van refinish.

Components

LC.1. K1

AV.005

AE.002

Base

Hardener (2.1 Low VOC)

Hardener (4.2 National Rule)

Mixing Ratio

Mix:

Mix four (4) parts base color to one (1) part AV.005 compliant hardener or AE.002 NATIONAL Rule Hardener.

No Reducer Required.

Pot Life

2 hours @ 20° C (68° F)

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Application

Apply:

Two medium wet coats, allow 10-20 minutes flash between coats.

Spray Gun:

HVLP Gravity Feed – 1.3 – 1.5mm tip and needle

Conventional – 1.3 – 1.5mm tip and needle

Film Build:

50-62.5 microns – (2.0 – 2.5 mils.) when applied as directed.

Dry Times

Dust Free:

30 minutes @ 20° C (68° F)

Tack Free:

15-20 minutes @ 20° C (68° F)

Sand & Polish

12-24 hours @ 20° C (68° F)

Force Dry

(15-minute flash) - 40 minutes @ 60° C (140° F)

Sand & Polish

After 2-hour cool down

Surface Preparation

Finish Sand with

VOC

NR Regulatory VOC

365.5 g/l (3.04 lbs./gl.)

NR Actual VOC

204.8 g/l (1.7 lbs./gl.)

Compliant Regulatory VOC

242.6 g/l (2.02 lbs./gl.)

Compliant Actual VOC

107.6 g/l (0.9 lbs./ gl.)

Solids

By Volume

32.0%

By Weight

35.0%

Specific Gravity

1.08 kg/l (9.04 lbs./gl.)

Coverage

388.49 square feet per gallon @ 100% transfer efficiency,
@ 50 microns (2 mils.).

36.06 square meters per gallon @ 100% transfer efficiency,
@ 50 microns (2 mils.).

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Repainting

After 24 hours @20° C (68° F). Sand recommended for best adhesion. After force dry recommendations are completed, allow cool down for 1 hours before sand and recoat.

Storage Stability

One year for A (base) component, 6 months B (Hardener) Component in closed package, in cool dry place, away from any heat source.

Heat Resistance

Once cured 180° C (356° F)

ASTM Information:

Test	Results	Test Method
QUV A	Excellent	ASTM D 4587 (1500 hours-97%)
Initial Gloss @ 60°	93 min.	ASTM D 523
Flexibility	Excellent	ASTM D 522 Mandrel

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