

GlobalStar

L2.1.K1

High Gloss Low VOC Alkyd

GlobalStar
INDUSTRIAL



US/08232016L2.1.K1

Technical Data Sheet

Description

High Gloss Low VOC Alkyd Topcoat. L2.1.K1 is compliant in all restricted VOC areas when used with the AV.002 hardener at an 8-1 ratio.

Suggested Uses

As a high gloss topcoat over the following primers.

P9.3.K1 2K Epoxy Primer. Over primed steel substrate where:

- Outstanding gloss and corrosion resistance is required.
- Outstanding flexibility is needed.
- Excellent performance when applied with airless, air-assist airless pressure pot, cup gun or brush or rolled.

Components

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GSOR-F, GSOR-M, GSOR-S

AV.002

Base

Fast, Medium, Slow, Zero VOC Reducers

Hardener

Field Applications

- Coachwork or bus frames, undercarriage and bumpers.
- Work trucks, panel trucks trailers.
- truck and trailer frames.
- wood

Mixing Ratio

Mix:

Mix eight (8) parts Base Color to one (1) part AV.002 Hardener.
May be reduced 15%-25% with appropriate Reducer above.

Application

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Apply:

Two medium wet coats, allow 25-35 minutes flash between coats.
Or Apply one medium light coat followed by a medium cross coat.

Spray Gun:

HVLP Gravity Feed – 1.4 – 1.6mm tip and needle
Pressure Pot HVLP – 1.0 – 1.1mm tip and needle
Air Assist Airless - 1.0 – 1.1mm tip and needle
Conventional – 1.4 – 1.7mm tip and needle
Airless - 310 – 610 – 312 – 612 nozzle
50-75 microns – (2.0 – 3.0 mils.)

Film Build:

Dry Times

Dust Free:

60 minutes @ 20° C (68° F)

Dry to Touch

4-8 hours @ 20° C (68° F)

Total Hardness

24-48 hours @ 20° C (68° F)

Force Dry

45 minutes @ 60° C (140° F)

Chemical Resistance

Maximum resistance after 7 days

Surface Preparation

Ferrous metals:

Best Case

SA2 sandblast Blow all dust and contaminates off and apply suitable Globalstar primer within 12 hours followed by topcoat as directed.

Second Best Case

Hot Phosphate wash system, blow dry and apply suitable Globalstar primer within 8 hours, followed by topcoat as directed.

Third Best Case

Careful mechanical abrasion. Clean all dust, oil residue, finger prints and contaminates before and after mechanical abrasion with a clean drying wax and grease removal solvent, making sure all residue is removed. Apply suitable Globalstar primer followed by topcoat as directed.

Aluminum:

Clean surface with clean drying wax and grease remover. Apply Globalstar Epoxy Primer followed by topcoat as directed.

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Galvanized Steel:

Clean all dust, oil residue, and contaminants from surface using a Clean drying wax and grease remover. Light Sanding (320P grit) Clean again with clean drying wax and grease remover ensuring that all residue is removed. Apply Globalstar Epoxy Primer followed by topcoat as directed.

VOC

Regulatory VOC

330.3 g/l (2.75 lbs./gl.)

Actual VOC

217.3 g/l (1.81 lbs./gl.)

Solids

By Volume

41.8%

By Weight

44.4%

Specific Gravity

1.03 kg/l (8.66 lbs./gl.)

Coverage

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

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

Repainting

Can be repainted wet on wet or behind within 4-6 hours otherwise wait 3-5 days @ 20° C (68° F) with hardener).

Storage Stability

One year, stored in closed package, in cool dry place, away from any sources of heat.

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