

GlobalStar

6A.1.X30

HS Scratch Resistant Clear

GlobalStar
INDUSTRIAL



EU/ROW082320166A.1.X30

Technical Data Sheet

Description

6A.1.X30 is a Scratch Resistant 2K HS Clear that uses Nanotechnologies to enhance its resistance to damage and weathering.

Suggested Uses

- Scratch Resistant Nano Technology 2K HS Clear designed for exceptional performance in Automotive, CV and Fleet applications. It can also be used in applications such as recreational boat finishes, light to medium industrial coatings and other applications where a high performance clear is required.
- It is designed to be used over the top of GlobalStar basecoat systems.

Components

6A.1.X30

0A.H3

0G.013

0G.030

Clear

Hardener

Standard Urethane Reducer

Slow Urethane Reducer

Mixing Ratio

Mix:

Mix two (2) parts X30 Clear to one (1) part 0A.H3 hardener.
Reduce up to 5 - 10% with 0G.013 reducer.

Pot Life

2 hours @ 20° C (68° F)

Application

Applied over GlobalStar basecoat substrates, following the technical guidelines for the basecoat.

Apply:

2 coats.

Spray Gun:

HVLP Gravity Feed – 1.4 – 1.6mm tip and needle

Conventional – 1.4 – 1.6mm tip and needle

Film Build:

50 - 70 microns when applied as directed.

Dry Times

Dust Free:

20 - 30 minutes @ 20° C (68° F)

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6A.1.X30

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Dry to Touch	6 hours @ 20° C (68° F)
Total Hardness	24 hours @ 20° C (68° F)
Flash Off Before Baking	30 mins @ 20° C (68° F)
Force Dry	30 - 45 minutes @ 60° C (140° F)
Chemical Resistance	Maximum resistance after 7 days

VOC

VOC	490 g/l
VOC Limit	840.0 g/l
	Product according to 2004/42/CE

Solids

By Volume	53% (+ or - 2%)
By Weight	53% (+ or - 2%)

Specific Gravity

0.99 + or - 0.05 g/cm³

Coverage

10 - 12 m² @ 50 to 60 microns

Repainting

After full cure times light sand recommended for best adhesion. After force dry recommendations are completed, allow cool down for 1 hour 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)

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ASTM Information:

Test	Results	Test Methods
Abrasion Resistance	Excellent	ASTM D 4060
Adhesion	Excellent	ASTM D 4541 (1850 psi) ASTM D 3359 A/B (5/5)
Salt Spray Resistance	Excellent	ASTM B 117 (Pass 500 hours)
Direct Impact Resistance	Very Good	ASTM D 2794 (35Kg.)
Reverse Impact Resistance	Very Good	ASTM D 2794 (35Kg.)
Humidity Resistance	Excellent	ASTM D 2247 (Pass 1000 hours)
Film Hardness	3H	ASTM D 3363
Chemical Resistance (Rating Scale 1-10 with 10 best)	Very Good to Excellent	ASTM D 1308
	10	1% Sodium Hydrochloric Acid
	10	5% Sodium Hydrochloric Acid
	9	10% Sodium Hydrochloric Acid
	10	Ammonia
	10	Diesel Fuel
	10	1% Hydrochloric Acid
	10	1% Sulfuric Acid
	9	10% Sulfuric Acid
	10	100% Ethanol
	10	1% Phosphoric Acid
	9	10% Phosphoric Acid
	10	MEK (Methyl Ethyl Ketone)
	10	Gasoline
	9	Skydrol
	9	DOT 3 Break Fluid
QUV A	Excellent	ASTM D 4587 (1000 hours-97%)
Initial Gloss @ 60°	93 min.	ASTM D 523
Solvent Resistance	Surpassed	ASTM D 4752 (1000 MHR)
Flexibility	Excellent	ASTM D 522 Mandrel

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