

UV Spray for Sheet and Post-Formed Parts

CLEARJET

Clearstar Corporation offers a UV-protective spray coating called ClearJet that can be applied to KYDEX® sheet for flat sheet applications or to formed parts for added UV protection. The Original coating is offered in a gloss and semi-gloss finish and can easily be applied by spraying or roll coating.

ClearJet was applied to KYDEX® T, colors 72010 Chocolate and 62000 Polar White using the 12-oz aerosol can. Two light coatings were applied according to the directions and the results are listed below. ClearJet increased the Chocolate's natural protection by over 6X and the Polar White's by well over 4X.



Solvent-based UV Protective Coating:

- Use Instead of Film Laminates
- Contains State-of-the-Art UV Inhibitors
- Chemical Resistant
- Abrasion and Mar Resistant
- High-Performance
- Highly-Flexible
- Banners, Vinyls, Fiberglass, Wood, Metal, Plastic, Canvas, and Paper
- Won't Yellow
- Formulations for Specific Applications

Original ClearJet

- Type A2000 No Clean-Up Aerosol Spray Cans: 12 oz. net Aerosol Can
- Type BR Brush & Roll Formula: Quarts & Gallons
- Type S Ready-to-Spray Formula: Gallons
- Series FA Fine Art Applications (FA - Available in BR, S and aerosol versions)

Original ClearJet

- Gloss and Semi-gloss

Note: Always test before using



Customer Collaboration

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QUV TEST RESULTS ON KYDEX® SHEET

Product/Color	Hours	ΔL	Δa	Δb	ΔE
KYDEX® T 72010 Chocolate W/ ClearJet UV Spray	250	-0.076	0.054	0.116	0.149
	500	0.079	0.041	0.035	0.096
	800	0.512	0.033	0.533	0.740
	1000	0.655	0	0.102	0.663
	1700	4.168	-0.342	-0.878	4.273
KYDEX® T 72010 Chocolate	250	3.785	-0.528	-1.416	4.076
	500	9.579	-1.113	-3.071	10.121
KYDEX® T 62000 Polar White W/ ClearJet UV Spray	250	-0.397	0.118	0.181	0.452
	500	-0.476	0.087	0.485	0.685
	800	-0.756	-0.001	1.529	1.706
	1000	-1.023	-0.079	2.999	3.170
KYDEX® T 62000 Polar White	250	-0.274	-0.458	4.539	4.570
	500	-0.764	-0.568	8.704	8.756

Note: Results may vary depending upon humidity, heat, geographical location, and hours spent in direct sunlight.

THERMOFORMING TEMPERATURE GUIDELINES

Exposure: Continuous cycle consisting of 8 hours of UV at 50°C (122°F) followed by 4 hours of condensation at 50°C (122°F), this closely follows ASTM D4329, Cycle C with a UVA 340 type lamp. This test is an approximation of how the material will react to real weather environments, but is not an exact model due to the fact that all weather conditions vary and are not constant.

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