

Specialized Industrial Materials
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Single UV

Single UV is an aliphatic 1-component waterborne formulation delivering excellent chemical and water resistance while providing good abrasion resistance and fast-setting properties. It is designed to be used as a tough exterior topcoat, sealer or as an underlying penetrating primer for metal. The penetrating nature of this 42% solids material promotes its use as a direct topcoat on porous and non-porous substrates masonry, wood, non-glazed tile, stucco, metal, composites and certain polymers. This material may also be used as a primer in many Specialized Industrial Materials coatings applications. This material is available in flexible, semi-flexible or rigid film.

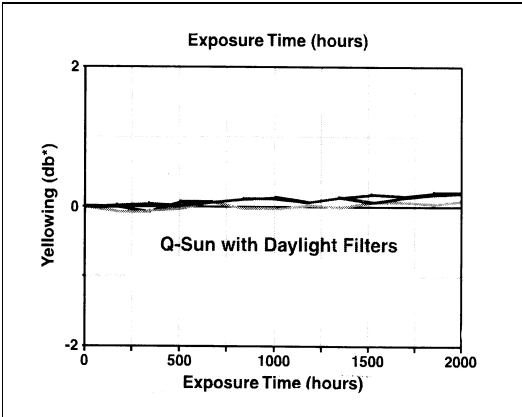
Single UV is an air-dry system where it is normally spray or roll applied. This low viscosity dispersion dries clear and flexible in 10-15 minutes acquiring full-cure in 24 hrs or maybe forced dried at elevated temperatures. Single UV Topcoat is available in medium to high elongation formulations where flexibility is demanded. The high-flex version provides up to 200% elongation with a tensile strength of 2400 psi while the medium-flex allows for 100% with max temp at 250 degrees. Acrylic color pigments and thickener additives may also be included to enhance its widely diversified use.

PHYSICAL PROPERTIES		PERFORMANCE CHARACTERISTICS	
Percent Solids	42%	ASTM	
Brookfield Viscosity @25°C		Accelerated D4587,	Pass
RVT #3 @12 rpm	1000	Weathering QUV QUV-A, 5000 hrs	
pH	8.9	Adhesion	ASTM D4541 393 psi
Tg (°C calc)	17	Abrasion Resistance	ASTM D4060 57 mg loss (CS-17) (1000 cycles)
Density, lbs/gal	8.8	Pencil Hardness	ASTM D3363 2B
MFT (°C)	<0	Flexibility	ASTM D522, Method B, 1/8" Pass

TDS



XENON UV PERFORMANCE



TECHNICAL APPLICATION DATA

Single UV is specially designed to normally fast dry at 60-90° F with ambient temperatures with 50-60% relative humidity yielding drying times of 10-15 min. Operational temperatures range from 20°F to 150°F. Recommended application is 1-2 medium wet coats with coverage of 100 sq.ft./ gal at 6 mil thickness.

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