



GLAZON 145 *BPA FREE*

ACRYLATE COATING: UV CURE

SERIES U145

MATTE FINISH; MAR AND FINGERPRINT RESISTANT

SANDSTROM
PRODUCTS COMPANY

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DESCRIPTION

Glazon 145 is a UV curable matte finish coating based on free radical cure acrylate chemistry. Applied coatings have an attractive matte gloss along with excellent mar, slip and fingerprint resistance.

TYPICAL USES

Glazon 145 matte finish coatings are typically used as a protective coating on LDPE or HDPE. However, Glazon 145 can also be used as a clear overprint varnish on various paper stocks. Glazon 145 may also be used as a protective coating on various metals and wires. The Glazon UV Series exhibits excellent adhesion to aluminum.

NOTICE

Before using this product, read all warnings, limitations and safety information printed on the product label, Safety Data Sheet (MSDS), and Technical Data Sheet.

OUTSTANDING FEATURES/BENEFITS

- Fast cure
- BPA Free
- Applicable to heat sensitive substrates
- Outstanding fingerprint resistance
- Excellent slip for easy packaging

LIMITATIONS

Tubing and storage containers must be stainless steel or opaque HDPE or polypropylene plastic.

COMPOSITION AND PHYSICAL PROPERTIES			
Net Weight per gallon[^] <i>ASTM D1475</i>	8.7 ± 0.5 lbs.	Vehicle	Acrylate Resins
Weight Solids[^] <i>ASTM D2639</i>	48-55%	Color	Clear
Volume Solids	43-47% (Theoretical)	Finish	Matte
VOC	4.05 lbs./gallon (Theoretical)	Gloss[^] <i>ASTM D523</i>	< 5 @ 60°
Odor	Glycol Ether	Cleanup	MEK
Viscosity Per [^] <i>ASTM D2196</i>	150-400 cps @ 77°F, #3 spindle, 50 RPM	Thinner	PnP 2-propoxypropanol (D168-C01)
Shelf Life	12 months from date of shipment	UV Cure	See CURING
Storage Conditions	≤100°F		
Flash Point	119 ± 2°F Setflash		
Coverage Rate[*]	1430 sq. ft./gal @ 0.5 mil (Theoretical)		

*Actual figures do not include spray loss. Also allow for surface irregularities and porosity, as well as material loss when mixing.
^ indicates tested with each batch

STIRRING

SHOULD BE STIRRED THOROUGHLY BEFORE USE AND DURING APPLICATION.

THINNING

Use PnP 2-propoxypropanol (Sandstrom D168-C01) sparingly.

APPLICATION

In application areas, lights with low levels of UV output should be used.

Typically applied by a precision direct coating operation. Can also be applied by spray, gravure, flexo, offset, and direct lithographic processing.

Wet film thickness of 0.3 mil - 0.8 mil is usually applied.

CURING

Cure is achieved by using any number of commercially available UV curing units. The wavelength of the UV curing source should be 250 - 430 nanometers. Cure rate is dependent on the number of lamps available and wet film thickness. Typically a 0.4 mil wet film will cure with 2 passes at 14 ft./minute/lamp using 250 watts/inch medium pressure mercury vapor lamps, or equivalent. Heat sensitive substrates may require addition of infrared filters to your curing unit or curing out of focus to dissipate excess heat.

WARNINGS: Constant stirring is imperative for best results.

DANGER! USE WITH ADEQUATE VENTILATION.

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Revision Date: 09/03/21