

GLAZON[®] MATTE ACRYLATE UV

SERIES U110

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DESCRIPTION

U110 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 and fingerprint resistance.

TYPICAL USES

U110 matte finish coatings are typically used as an oxygen barrier or protective coating on LDPE or HDPE. U100 can also be used as a clear overprint varnish on various paper stocks and as a finish coat on wood. U100 may also be used as a protective coating on various metals and wires.

OUTSTANDING FEATURES/BENEFITS

- Low odor
- Fast cure
- Applicable to heat sensitive substrates
- Outstanding fingerprint resistance

APPLICATION METHOD

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 .2 mil - .5 mil is usually applied.

CURE

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 a minimum of 200 millijoules of applied UV energy.

COMPOSITION PROPERTIES

Weight/Gallon	7.7 ± .5 lbs.
Weight Solids	52 - 56% (Theoretical)
Volume Solids	50 - 54% (Theoretical)
Viscosity cps	14 seconds #4 Zahn (as produced)
VOC	3.5 lbs/gallon (Theoretical)
Shelf Life	6 months @ 72°F ± 10°F in shipped container
Thinner/Reducer/Cleanup	PnP for thinning MEK for cleanup
GLOSS	<8 @ 60°, <18 @ 85°

HANDLING AND STORAGE

In application areas, lights with low levels of UV output should be used. Do not use gear pumps. Tubing and storage containers must be stainless steel or opaque HDPE or polypropylene plastic.

IMPORTANT NOTICE TO BUYER / WARRANTY AND LIMITATIONS ON OUR LIABILITY

We warrant our products to be free of manufacturing defects, and that they meet our current published physical properties and specifications. All information and suggestions presented are rendered gratis and is accurate to the best of our knowledge. They are based on technical data which we believe to be reliable, and are intended for use by persons having skill and "know-how," at their own discretion and risk. Prior to use, customers are cautioned to determine the suitability of our products for any given application through their own testing. NO WARRANTY IS MADE, EXPRESS OR IMPLIED, REGARDING SUCH INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS OBTAINED FROM ITS USE OR THAT OUR PRODUCT SHALL BE MERCHANTABLE OR FIT FOR ANY PARTICULAR PURPOSE. SUCH STATEMENTS ARE NOT INTENDED TO SUGGEST INFRINGEMENT OF ANY PATENT. Since conditions of use of our products are beyond our control, all suggestions and statements are made without guarantee, warranty or other responsibility, express or implied, on our part. We assume no responsibility for results obtained, or damages incurred, from their use beyond replacing material proved to be defective or refunding the purchase price of such material at our option. Acceptance of delivery of our product means you have accepted the terms of this warranty, whether or not purchase orders or other documents state terms that vary from this warning. No seller is authorized to make any representations or warranty or assume any other liability on our behalf with any sales of our products. © 2/98 SANDSTROM PRODUCTS COMPANY 8/14/07