

SunCure[®] High Gloss 1703 Coating Technical Data Sheet

SunCure High Gloss 1703 is a high performance UV curable coating designed for in-line application over conventional and UV inks. This product is typically applied to paper or paper board substrates by flexo, roller coater or gravure coating units.

typical characteristics and features

SunCure High Gloss 1703 coating is formulated to have the following properties:

- High gloss
- Good flexibility
- Excellent slip and anti-stat properties
- Good resistance to transit marketing

technical information and coating handling

Application method

Flexo, roller coater or offset gravure coating unit is recommended.

Film weight

The recommended film weight for SunCure High Gloss 1703 coating is 0.5 lbs / 1000 ft², using 200 lines per inch (lpi), and 10 billions cubic microns (bcm) per square inch anilox.

Viscosity

The viscosity for SunCure High Gloss 1703 coating is 200 centipoise (cps) using a Brookfield RVT, #2 spindle, 100 revolutions per minute (rpm) @ 77°F (25°C).

Cure conditions

SunCure High Gloss 1703 coating was cured 150 feet per minute (fpm) per 400 watts per inch (wpi) lamp.

Appearance

Milky translucent liquid

Description	SAP Kit Number	SAP Drum Number	SAP Tote Number
SunCure High Gloss 1703 UV Coating	90833665	90831613	90036422

Gloss*

SunCure High Gloss 1703 coating measured gloss >90 @ 60° angle.

CoF and slide angle*

This coating has a kinetic coefficient of friction (CoF) < 0.300. Slide angle <20 degrees is recommended for SunCure High Gloss 1703 coating.

MEK rubs

Target of >15 immediately following application.

*Note: Properties were measured for a coating applied with a #3 Meyer rod on Leneta N2A-3 substrate and cured as described. Actual values of gloss and coefficient of friction (CoF), will depend on coating thickness, degree of cure, and substrate type.



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Clean-up

This coating can be cleaned using an alcohol-based solvent wash.

Compatibilities

Inks:

SunCure High Gloss 1703 coating is compatible with wet or dry UV inks, dry conventional offset inks, and water- or solvent-based inks. The inks should be free from wax and silicone. Avoid alkali sensitive pigments and metallic pigments.

Stamping, gluing and imprinting:

It is not recommended this coating be used in stamping, gluing and imprinting applications.

Storage considerations

Separation of particulates to the top and bottom of storage containers will occur upon standing. Moderate agitation (strong enough to create vortex) prior to and during use is required to maintain product consistency. The shelf life for these coatings is six (6) months.

Safety, health and environment

SunCure High Gloss 1703 coating is to be used in accordance with normal standards of industrial hygiene and good manufacturing practice. Please refer to the Safety Data Sheet for specific information. Safety Data Sheets will be supplied. This product contains acrylated materials and should be handled accordingly.

Printing inks, coatings and printing residues should be disposed of in accordance with local and national regulations.

The information contained in this technical data sheet is only a recommendation and may need to be altered to suit the conditions and efficiency of the equipment employed. Our products are not designed for use in conjunction with those of any other ink maker or similar supplier unless agreed to in writing.

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