

SunCure[®] Satin 1694 Coating Technical Data Sheet

SunCure Satin 1694 is a UV satin coating designed for use on paper, board and plastic labels. The cured film of the product exhibits good flexibility and rub resistance properties. It is designed for application on various sheetfed and narrow web label flexo presses.

typical characteristics and features

SunCure Satin 1694 coating is formulated to have the following properties:

- Satin finish
- High flexibility
- Good rub resistance properties
- For use on sheetfed and narrow web presses

technical information and coating handling

Application method

Flexo, with anilox between 200 – 400 lines per inch (lpi) is recommended.

Film weight

The recommended film weight for SunCure Satin 1694 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 Satin 1694 coating is 194 – 254 centipoise (cps) using a Brookfield RVT, #2 spindle, 100 revolutions per minute (rpm) @ 77°F (25°C).

Cure conditions

SunCure Satin 1694 coating was cured 150 – 200 feet per minute (fpm) per 400 watts per inch (wpi) lamp.

Appearance

Milky liquid

Description	SAP Kit Number	SAP Drum Number
SunCure Satin 1694 UV Coating	90036405	90036404

Gloss*

SunCure Satin 1694 coating measured gloss between 40 – 50 @ 60° angle.

CoF and slide angle*

This coating has a kinetic coefficient of friction (CoF) between 0.30 – 0.500. Slide angle between 15 – 35 degrees is recommended for SunCure Satin 1694 coating.

MEK rubs

>20

*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 Satin 1694 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 Satin 1694 coating is to be used in accordance with normal standards of industrial hygiene and good manufacturing practice. Please refer to the Material Safety Data Sheet for specific information. Material 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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