

# SunCure<sup>®</sup> High Gloss 1835 Coating Technical Data Sheet

SunCure High Gloss 1835 is a high performance UV coating designed for use on folding cartons where odor of the cured UV coating is a concern. This product is not formulated with benzophenone.

## typical characteristics and features

SunCure High Gloss 1835 coating is formulated to have the following properties:

- High gloss and low residual odor
- Does not contain benzophenone

Description	SAP Kit Number	SAP Drum Number	SAP Gallon Number
SunCure High Gloss 1835 UV Coating	90005275	90090992 91064443	90036454

## technical information and coating handling

### Application method

Flexo, tower or roller coater is recommended.

### Film weight

The recommended film weight for SunCure High Gloss 1835 coating is 0.5 – 1.0 lbs / 1000 ft<sup>2</sup>, using 200 lpi, and 10 billions cubic microns (bcm) per square inch anilox.

### Viscosity

The viscosity for SunCure High Gloss 1835 coating is 310 centipoise (cps) using a Brookfield RVT, #2 spindle, 100 revolutions per minute (rpm) @ 77°F (25°C).

### Cure conditions

SunCure High Gloss 1835 coating was cured 150 – 200 fpm per 400 watts per inch (wpi) lamp.

### Appearance

Slightly milky, translucent liquid

### Gloss\*

SunCure High Gloss 1835 coating measured gloss >70 @ 60° angle.

### CoF and slide angle\*

COF (Kinetic) Slip and Friction Tester - 0.2000 - 0.3000

COF (Static) Slip and Friction Tester - 0.2500 - 0.3500

### MEK rubs

>25

\*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 1835 coating is compatible with wet or dry UV inks, dry conventional offset inks, 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:

Recommended (confirm performance prior to use).

## 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 1835 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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