

SunCure[®] 1234 Coating Technical Data Sheet

SunCure 1234 coating is a high performance UV curable coating designed for application by roller, flexo coater on paper and paperboard substrates. Cured films of this product exhibit high gloss, good adhesion to a variety of substrates and inks, and good flexibility. It is recommended for flat sheet, high quality folding carton, or book cover applications.

typical characteristics and features

SunCure 1234 coating is formulated to have the following properties:

- High gloss
- Low slide angle
- Good adhesion to a variety of substrates and inks
- Good flexibility

Description	EMG Number	SAP Kit Number	SAP Drum Number
SunCure 1234 Coating	RC89-1234	90005208	90091065

technical information and coating handling

Application method

SunCure 1234 coating is typically applied with flexo or roller coating units. Can be reduced with water if viscosity adjustment is required.

Film Weight

The recommended film weight for maximum performance of SunCure 1234 coating is 0.5 – 1.0 lbs / 1000 ft².

Appearance

SunCure 1234 coating is clear. Liquid in container appears milky white, slightly hazy.

Viscosity

SunCure 1234 coating was tested to have 270 – 350 cps using a Brookfield RVT, #3 spindle, 100 revolutions per minute (rpm) @ 77°F (25°C).

Gloss

SunCure 1234 coating gloss results depend of application, cure, substrate and test method. > 70 @ 60 degree angle is typical.

CoF and slide angle

SunCure 1234 coating was tested to have static CoF < 0.300, and a slide angle < 20. Results depend on application, cure, substrate and test method.

Solvent Resistance

> 20 MEK rubs

Handling

Due to matting agents which have a tendency to settle, SunCure 1234 coating should be mixed well prior to use. The product should be under slow agitation while being used to avoid separation of matting agents.

application consideration

Inks

SunCure 1234 coatings can be used with wet or dry UV inks. Conventional inks should be free from wax and silicone. Avoid alkali sensitive pigments.

Stamping, Gluing, Imprinting

Not recommended

Substrates

Paper and paperboard and book covers



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clean-up

SunCure 1234 coating can be cleaned with an alcohol or ketone based solvent wash.

storage considerations

The shelf life for SunCure 1234 coatings is six (6) months. Due to matting agents, separation may occur during storage. This product should be mixed thoroughly prior to use. Storage of UV coatings near heat sources or at temperatures above 100°F (37°C) should be avoided.

safety, health and environment

SunCure 1234 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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