

SunCure[®] 1531R Coating Technical Data Sheet

SunCure 1531R coating is a high performance UV curable coating designed for application by flexo, roller or blanket coaters on paper and paperboard substrates. This product was specifically designed for use in inline coating application over WOHs ink, for applications such as magazine covers. Cured films of this product exhibit a smooth matte finish (having gloss less than 20 when measured at 60 degrees), with a good adhesion to heatset inks.

typical characteristics and features

SunCure 1531R coating is formulated to have the following properties:

- Low gloss
- Low slide angle
- Excellent rub and abrasion resistant

Description	EMG Number	SAP Kit Number	SAP Drum Number
SunCure 1531R Coating	RCG01531R	90036374	90005230

technical information and coating handling

Application method

SunCure 1531R coating is typically applied with flexo, roller or blanket coating units.

Film Weight

The recommended film weight for maximum performance of SunCure 1531R coating is 0.5 – 0.75 lbs / 1000 ft².

Appearance

SunCure 1531R dry coating is clear. Liquid in container appears milky white, opaque.

Viscosity

SunCure 1531R coating was tested to have 255 – 335 cps using a Brookfield RVT, #3 spindle, 100 revolutions per minute (rpm) @ 77°F (25°C).

Gloss

SunCure 1531R coating gloss results depend of application, cure, substrate and test method. < 20 @ 60 degree angle is typical.

CoF and slide angle

SunCure 1531R 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 1531R 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 1531R coatings can be used with wet or dry UV or dry conventional inks and aqueous primers. Inks and primers should be free from wax and silicone. Avoid alkali sensitive pigments and metallic pigments.

Stamping, Gluing, Imprinting

Not recommended

Substrates

Paper and paperboard



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clean-up

SunCure 1531R coating can be cleaned with an alcohol or ketone based solvent wash.

storage considerations

The shelf life for SunCure 1531R 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 1531R 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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