

## Technical Data

RVM-10143 matte is a 100% solids UV curable coating that provides:

- Matte surface adjustable with coat weight
- Ink receptive surface
- Hot stampability
- DOD adhesion

RVM-10143 matte will adhere to papers, foils and treated plastics. When using on plastics, best results will be seen when using corona treated substrates, or surfaces with 42 dynes or greater.

RVM-10143 matte's gloss is adjustable with coat weight. The higher the coat weight, the more matte it becomes. Laboratory drawdowns resulted in the following gloss measurements at varying coat weights:

5 bcm = gloss 29-32 at 60°

7 bcm = gloss 24-28 at 60°

8 bcm = gloss 18-23 at 60°

Different equipment may give different coat weights at the same bcm's, but the trend is the same.

RVM-10143 matte is supplied press ready and therefore needs no dilution or adjustments prior to use.

RVM-10143 matte can be blended with RV-4865 to increase gloss if adjusting coat weight is not practical.

**Coat Weight: 2-10 bcm** depending on the porosity of the substrate and the gloss target.

**Curing:** UV curing can be achieved with conventional mercury UV lamps that are in the range of 200-400 nm and 300-600 wpi. It is important to run the lamps on high power in order to achieve a proper cure. Press speeds are usually run at 175-300 fpm, but higher speeds may be possible depending on number, wattage and condition of lamps.

## Technical Characteristics

Drying	UV
Gloss	Satin/matte
Suggested Anilox Volume (cm <sup>3</sup> /m <sup>2</sup> )	6-11
Press Speed (meters/min.)*	
Substrate Compatibility*	Film and paper

\*: always validate new combinations of ink and substrate as well as press settings prior to industrial production

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## cleaning solutions

- **NCL-1103** Plate cleaner for water based and UV inks
- **SoftClean** Anilox cleaning solution for water based and UV inks and coatings
- **UV-499** Press and parts cleaner for UV inks (*attention : can swell photopolymer plates*)