

## Product Data Sheet

### 5021M UV MATTE TOPCOAT

#### Description of 5021M

5021M is a solvent-free, UV curable flexo topcoat. This product exhibits excellent adhesion to paper and some treated film stocks. It exhibits excellent flow, wet out, and levelling properties. The result is very low gloss with excellent adhesion, flexibility, clarity, and non-blocking characteristics. The product has exceptional burnish/mar resistance.

#### Typical Properties

	Typical Values
Viscosity (cps@ 77F )	230 – 280 cps
Cure Speed (one 300W/in Hg Lamp)	275 - 300 ft/min
Scuff Resistance (face to face)	>2000 Sutherland Rubs (4 LB Weight)
Mileage (Expected)	12,000 ft <sup>2</sup> /Gal @ 0.15 mil thickness
Gloss (60 degree)	>10
Solvent and Water Resistance	Moderate
Appearance	Milky liquid

#### Application Suggestions

An anilox with a BCM range of 4-6 is suggested for flexo applications. For rollcoat applications, a coating weight of 0.15 mils is recommended. To achieve good cross hatch tape adhesion, try to avoid using any inks that may contain wax or silicone additives. Any non-lightfast inks, such as Reflex Blue, Rhodamine Red, etc., should be tested for compatibility with topcoats prior to running production on press.

#### QC Procedures and Suggestions

To achieve maximum properties, sufficient cure of 5021M is necessary. A simple MEK rub test can help insure that the product is curing properly. Please consult our technical staff for the proper way to perform cure tests for each given press condition and application weight of the UV product.

#### Storage and Handling

5021M should be stored away from heat, flame and should not be exposed to any direct light source. Otherwise, premature cure or gel could occur. The product should be mixed prior to use. Shelf life of 6 months from the date of manufacture is expected when stored properly. Isopropyl alcohol, acetone, and/or MEK are all good solvents for clean up of 5436. Proper personal protection (gloves, goggles) and proper ventilation are required when handling this material. Please consult MSDS for details on proper handling of this material.

*Disclaimer:* The information on this data sheet is believed to be accurate and reliable. It is, however, the users' responsibility to determine suitability of the use for an application. MinusNine Technologies only warrants that this material meets the product specifications and makes no warranties concerning the suitability of this product for a particular use or purpose.