

SUNCRYL™ EU 127 BIO is a hydrophobic non-silicone release polymer is suitable for paper substrates, ideal for substrates exposed to humid conditions.

For further information regarding this product please refer to:

Adhesive Polymers (Americas)

eMail: [Adhesive-polymers-Americas@synthomer.com](mailto:Adhesive-polymers-Americas@synthomer.com)

Property	Typical Value	Unit	Method <sup>1</sup>
Solids Content	40	%	EN ISO 3251
pH Value	6.0		DIN ISO 976
Viscosity (RVT, S2, 20 rpm, 25°C)	< 250	mPas	ISO 1652
Ionic Character	nonionic		
Release Level	medium		

<sup>1</sup> internal method based upon the specified norm

## Application Advice

SUNCRYL™ EU 127 BIO is a hydrophobic non-silicone release vinyl acrylic polymer, which is suitable for paper substrates, ideally for substrates exposed to humid conditions.

- Non-silicone release chemistry
- Formulated with no APEs or fluorochemicals
- Very good humidity and water resistance
- Low-temperature cure
- Good release aging properties

SUNCRYL™ EU 127 BIO release coating is supplied at 36-45% solids with the intention that the customer will dilute to 20-30% solids before application. It is good practice to always stir the release coating prior to and after diluting. Release coatings may be applied to either the crepe or smooth side of the paper. Recommended coating application techniques include Mayer rod, knife, air knife, rotogravure and flexo gravure. A common application target coat weight is 4-6 g/m dry and 0.5-2.0 g/m for film. To obtain optimal adhesion to film, surface treatments are recommended. Reaching the recommended temperature is more important than the dwell time with which the web is exposed. Because the nature of tape and label products are influenced by the selection of adhesive, application techniques and use expectations, the system should be thoroughly tested in actual end-use conditions to ensure that the desired performance is achieved.

## Shipping and Storage

The product must be protected from frost and exposure to direct sunlight. Storage temperatures between +5 °C and +30 °C are recommended. Care must be taken that drums and containers are properly closed. During storage, shipping and handling contact with metal surfaces that are not corrosion protected must be avoided. When stored properly, the product has a shelf life of 6 months from the date of delivery. Mix the contents thoroughly before using.

## Product Safety

Before handling, please read the Safety Data Sheet of this product for advice on safety, use and disposal.