



## SUNCRYL® CR 218

Organic release coating for paper tape applications

SunCryl CR 218 release coating is an aqueous organic emulsion polymer that is crosslinked for extraordinary block and solvent resistant properties. The film forming characteristics under even ambient conditions result in a hard, clear film. Heat curing of the polymer will further improve resistance. Best suited for hot melt, solvent-based natural rubber or aqueous adhesives.

SunCryl CR 218 release coating is ideal for medium release paper tape applications, especially when high toluene levels in applied adhesives and/or minimal 'backsize' curing conditions are encountered.

### TYPICAL PROPERTIES

#### PHYSICAL PROPERTIES

Solids	37–39%
pH	3.0–5.0
Brookfield Viscosity	<100 cps (RVT #1 spindle at 20 rpm, 25°C)
Glass Transition Temperature	+28°C
Color	White

#### CHEMICAL/MECHANICAL PROPERTIES

Mechanical Stability	Excellent
Ionic Character	Anionic

### APPLICATIONS

OMNOVA Solutions supplies release coatings at 36–45% solids with the intention that the customer will dilute to 20–32% 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 flexogravure. A common application target coat weight is 4–6 g/m<sup>2</sup> dry.

During drying of the coating, the surface temperature of the web should be allowed to reach 135–150°C to fully cure the polymer, with an optimal performance at 150°C. Reaching the recommended temperature is more important than the dwell time with which the web is exposed.

OMNOVA provides many primers and release products designed for the tape and label industry. Because the nature of tape and label products is 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. Please call your OMNOVA representative to discuss your particular primer or release coating needs.

#### SUNCRYL CR 218 ADVANTAGE

- Medium-to-tight release levels
- Non-silicone release chemistry
- Non-blocking under air dry conditions
- Clear, hard film



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### STORAGE, HANDLING AND PACKAGING

This product is available in a tank truck, 460 lb. fiber drum or 460 lb. plastic drum.

Protect product from freezing. Recommended storage temperature is 70°F (22°C). When stored as recommended, the shelf stability of the product is six (6) months. Stir and mix well before using.

As with all chemicals, please read the material safety data sheet (MSDS) prior to use. An MSDS for each OMNOVA product is provided with the shipment and periodically thereafter. An MSDS also may be obtained at any time by contacting your Customer Service Representative or by calling (888)253-5454.

To learn more about this product, or any other of OMNOVA Solutions' specialty chemicals, please contact us at:

Phone: (803)385-5181 • Email: [pccustserv@omnova.com](mailto:pccustserv@omnova.com)



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OUR COMMITMENT TO SUSTAINABILITY

NOTE: Although the data supplied above is believed to be accurate, each user is advised to make an independent determination as to whether the described product(s) is/are appropriate for a particular use or application, whether such use will comply with all applicable laws or regulations, or whether such use will infringe the intellectual property rights of third parties.