



## SECOAT® R-51

Organic, writable, low gloss release coating for aqueous mid-range peel adhesives

**Secoat R-51** release coating is a water-based dispersion designed for release surfaces that can be printed with water-based inks. **Secoat R-51** release coating achieve a balance of mid-range peel values and excellent ink-jet printing performance. The clear, low-gloss coating performs well in self-wound ink-jet roll labels and other writable paper tape applications.

### SECOAT R-51 ADVANTAGE

- Aqueous emulsion—no solvent emissions
- Easy to apply with roll or knife applicators
- Sharp, dense ink-jet images
- Releases from various adhesives

## TYPICAL PROPERTIES

### PHYSICAL PROPERTIES

Solids	36–38%
pH	3.5–6.5
Brookfield Viscosity	<400 cps (RVT #3 spindle at 100 rpm, 25°C)
Color	Amber

### CHEMICAL/MECHANICAL PROPERTIES

Mechanical Stability	Excellent
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## 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 120°C to fully cure the polymer.

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.



## SECOAT® R-51

### STORAGE, HANDLING AND PACKAGING

This product is available in a tank truck, 2200 lb. tote, 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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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.

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