



 **Desmopack™ RC**

Rapid Cure Resin for High Performance
Flexible Packaging Adhesives



Food safe* packaging, with rapid cure at room temperature

Desmopack™ RC technology offers the rapid cure and performance of an aromatic resin, with the food safety* of an aliphatic resin.

Desmopack™ RC technology is a new linear amine terminated prepolymer that, when combined with an aliphatic polyisocyanate, gives excellent adhesion to a wide variety of packaging substrates. Desmopack™ RC resin decreases cure time by 80% at ambient temperature — saving time, lowering energy and inventory costs.

The high-performance flexible packaging market depends on aliphatic polyurethane adhesives for bond strength and food safe packaging profiles, yet the trade-off has been long cure times.

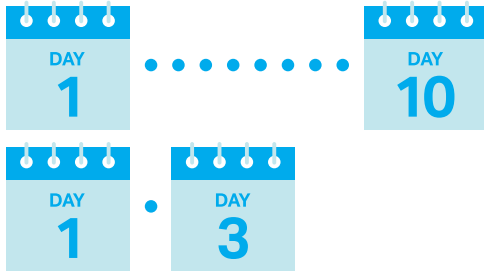
We answered with the food safe packaging qualities of an aliphatic combined with the cure speed of an aromatic: Desmopack™ RC technology, the ideal resin for formulating laminating adhesives for food packaging — without the need of catalysts.

Value Benefits of Desmopack™ RC resin:

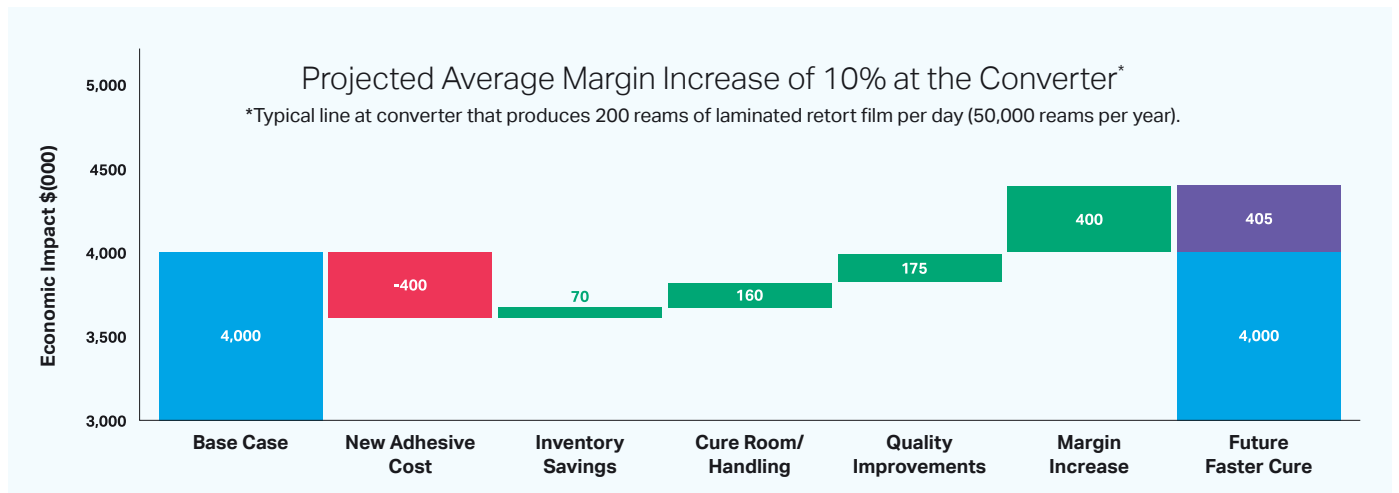
- Shorter lead times result in **increased revenue and margin**
- 2-3 day ambient cure with no elevated temps means **faster shipping**
- **Reduced** film and finished good inventory
- Improved **roll quality** and earlier **defect detection**

Increase your Profit Margin

What would shipping 8 days sooner mean to you?



What would a 10% increase in margin do for you?



* "Food safe" and "Food safety" mean compliant for use in food packaging applications when there is a functional barrier between food and the aliphatic-based resin. This aliphatic-based resin complies with US Food and Drug administration regulations 175.105, 177.1390 and 177.1395

High performance food safe packaging – only faster!

Covestro customers depend on us for high-quality raw materials for retort packaging adhesives. Desmopack™ RC technology benefits for flexible packaging include:



FOOD SAFE PACKAGING

No primary aromatic amine migration into food



COMPLIANCE

Complies with U. S. Food and Drug Administration regulations 175.105, 177.1390 and 177.1395



CHEMICAL RESISTANCE

Adhesives resist degradation caused by food or other package contents



HEAT RESISTANCE

High performance adhesives that withstand sterilization, hot fill, boil in bag, and retort processes



WORKABLE MATERIALS

Bond strength develops rapidly; tailorable pot life for a working time of 8 hours or longer



TECHNICAL CONSULTING

Our team of experts is available to help customize this technology to your application



GLOBAL SUPPLY CHAIN

Our robust network of production facilities around the world ensures steady supply



SUPPORT FOR SUSTAINABILITY TARGETS

Shortened processing and cure time helps the entire value chain work toward UN Sustainability Goals 9 (Industry, Innovation and Infrastructure) and 12 (Responsible Consumption and Production)

The many benefits of Desmopack™ RC resin for flexible and food safe packaging are:

Performance Characteristic	Polyol/Aliphatic Isocyanate	Polyol/Aromatic Isocyanate	Amine Terminated Prepolymer/Aliphatic Isocyanate
No potential for primary aromatic amine formation	✓	✗	✓
Rapid bond strength development at room temperature	✗	✓	✓
Good adhesion to a variety of films	✓	✓	✓
Tailorable pot life for a working time of 8 hours or longer	✓	✓	✓



Covestro – leading in polymer materials

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