



FEATURED PRODUCTS

EBECRYL® 8807

Energy Curable Aliphatic Urethane for Applications Requiring Rapid Cure Response

EBECRYL 8807 is an aliphatic urethane diacrylate that reduces the effect of oxygen inhibition and improves surface cure response in UV curable formulations without the use of a photosensitizer/tertiary amine photoinitiator system. Formulations containing **EBECRYL 8807** have demonstrated improvements in cure response under standard and low intensity light conditions.

KEY FEATURES & PERFORMANCE (typical properties-not specifications)	APPEARANCE	VISCOSITY, cP at 60°C	FUNCTIONALITY, theoretical	COLOR, Gardner	TENSILE, psi	ELONGATION %	MODULUS, psi
<ul style="list-style-type: none"> Improved cure response Good toughness Good chemical resistance 	Clear liquid	10,000	2	2	2000	54	7500

Highlights

Enhanced cure response: The unique structure of **EBECRYL 8807** lends itself to active participation in the polymerization reaction, which results in the reduction of oxygen inhibition.

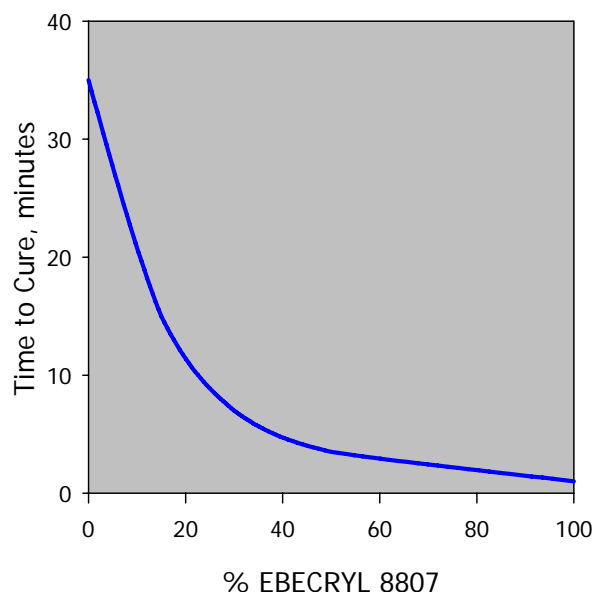
The following table compares the UV energy required for surface cure with **EBECRYL 8807** with the UV energy required for other urethane acrylates, using 600 watts/inch mercury vapor lamps. The graph illustrates the reduced cure time with increasing **EBECRYL 8807** content when curing with low intensity lamps

Comparison of Surface Cure Response

	%		
EBECRYL 8807	35.0		
EBECRYL 284-N		40.0	
EBECRYL 4866			50.0
TRPGDA	40.0	35.0	25.0
TMPTA	25.0	25.0	25.0
ADDITOL® HDMAP	4.0	4.0	4.0
Viscosity at 25°C, cP	408	412	1,696
UV energy, mJ/cm ²	495	914	640

Film properties: Films of **EBECRYL 8807** exhibit good flexibility and toughness.

Low Intensity Cure – UVA Lamp



Technical Contact for this product: Marcus Hutchins at 678-255-4736 or marcus.hutchins@cytec.com

• Cytec Industries Inc. | 1950 Lake Park Drive, Smyrna GA 30080 | Phone 800-433-2873 | Fax 678-255-4746 •

Trademark Notice: The ® indicates a Registered Trademark in the United States, and the ™ or * indicates a Trademark in the United States. The mark may also be registered, the subject of an application for registration, or a trademark in other countries.

Notice: Cytec Industries Inc. in its own name and on behalf of its affiliated companies (collectively, "Cytec") decline any liability with respect to the use made by anyone of the information contained herein. The information contained herein represents Cytec's best knowledge thereon without constituting any express or implied guarantee or warranty of any kind (including, but not limited to, regarding the accuracy, the completeness or relevance of the data set out herein). Cytec is the sole owner or authorized user of the intellectual property rights relating to the information communicated. The information relating to the use of the products is given for information purposes only. No guarantee or warranty is provided that the product is adapted for any specific use. The user or purchaser should perform its own tests to determine the suitability for a particular purpose. The final choice of use of a product remains the sole responsibility of the user.

© 2008 Cytec Industries Inc. All rights reserved.
EBECRYL 8807 –FP 4/25/2008