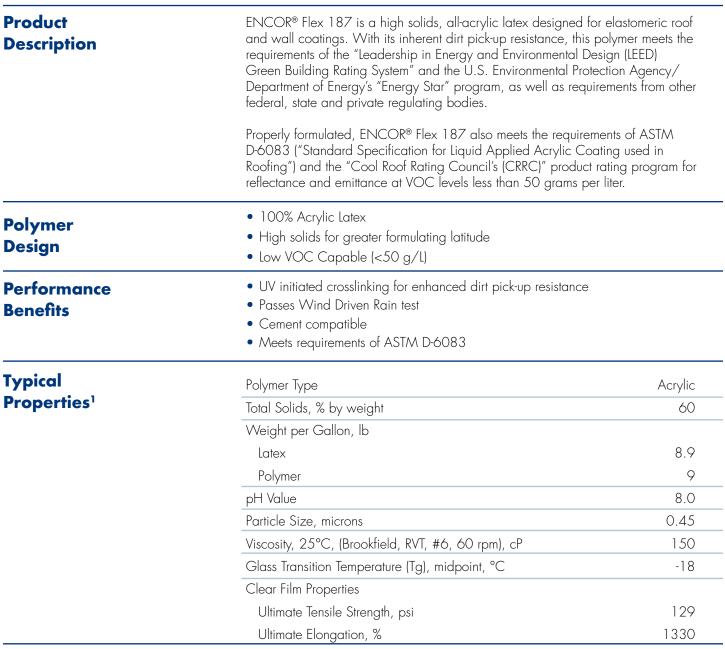
# ENCOR® FLEX 187

ALL-ACRYLIC LATEX FOR ELASTOMERIC COATINGS



<sup>1</sup> Typical values not to be construed as sales specifications.

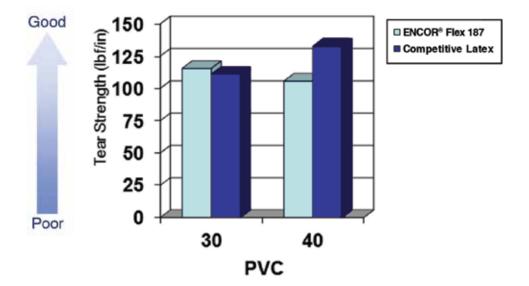


ARKEMA

## ENCOR<sup>®</sup> FLEX 187

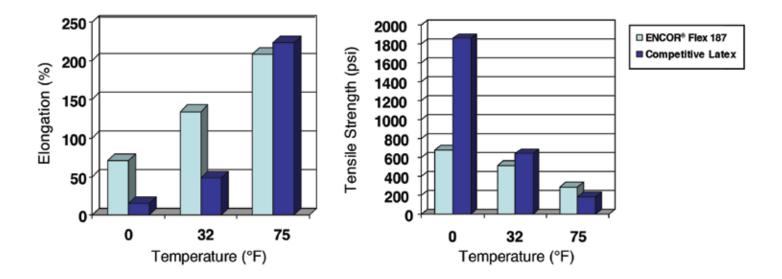
ALL-ACRYLIC LATEX FOR ELASTOMERIC COATINGS

## **Tear Strength**



ENCOR® Flex 187 has excellent tear strength across PVC range.

#### **Tensile and Elongation Properties (40% PVC)**



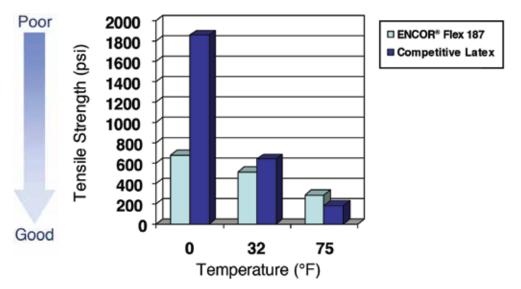
ENCOR® Flex 187 displays excellent elongation across the temperature range while maintaining outstanding tensile strength

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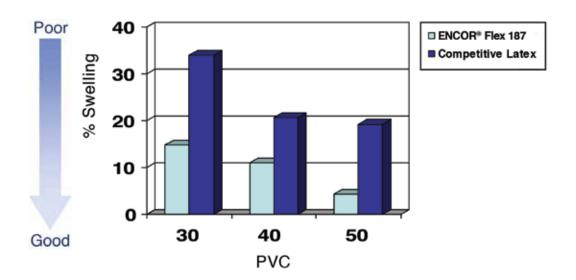
#### Water Resistance

#### Permeance



ENCOR® Flex 187 maintains low perms across the PVC range

#### Water Swelling

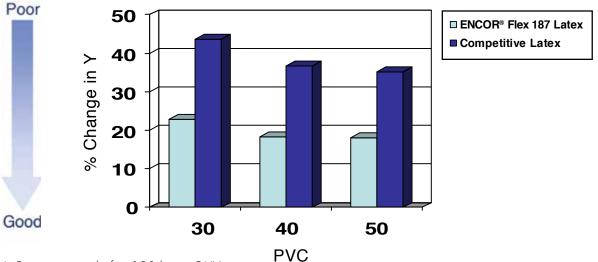


ENCOR® Flex 187 demonstrates low water uptake (swelling) across the PVC range

# ENCOR® FLEX 187

ALL-ACRYLIC LATEX FOR ELASTOMERIC COATINGS

### Accelerated Dirt Pick-Up Resistance\*



\* Coatings tested after 100 hours QUV.

ENCOR® Flex 187 demonstrates substantial improvement in dirt pick-up resistance versus a competitive latex across the PVC range

### **Accelerated Dirt Pick-Up Resistance**

Initial Film	Standard elastomeric coating after accelerated DPR testing	Coating based on ENCOR® Flex 187	

Starting Pont Formulations ENCOR<sup>®</sup> Flex 187 Formulation

Ingredients	Lbs	Gallons
Pigment Grind		
Water	128.0	15.4
Coadis™ 123K	25.5	2.9
Surfynol® 104E	2.5	0.3
Propylene Glycol	17.0	1.8
Foamaster® NXZ	1.5	0.2
Ti-Pure <sup>®</sup> R-960	105.2	3.2
Drikalite®	375.0	16.6
Polyphase® 663	7.0	0.3
Letdown		
ENCOR® Flex 187	502.7	57.8
Ester alcohol cosolvent	4.1	0.5
Foamaster® NXZ	4.1	0.5
Ammonium Hydroxide (28% aq.)	1.6	0.2
Natrasol® Plus 330	3.0	0.3
Total	1177.2	100.00

#### **Paint Properties:**

Weight Solids, %	65.9
Volume Solids, %	51.4
PVC, %	39.7
VOC, lb/gal	0.44
VOC, g/L	50.0
Density, lb/gal	11.73
Total Pigment, %	40.92
Non-volatile Binder, %	23.56
Coalescent Level, %	1.48
Dispersant Level, %	1.168

#### **Formulating Guidelines**

- Avoid associative thickeners due to water sensitivity
- Extenders should be limited to low oil absorption and particle sizes above 10µm
- Keep pigment volume concentration less than 45%; higher PVCs can lower adhesion results
- Field testing is recommended to assure adhesion

#### **ENCOR®** FLEX 187 ALL-ACRYLIC LATEX FOR ELASTOMERIC COATINGS

Product Before handling the materials listed in this bulletin, read and understand the product SDS (Safety Data Sheet) for additional information on personal protective equipment **Safety** and for safety, health and environmental information. For environmental, safety and toxicological information, contact our Customer Service Department at 1-866-837-5532 to find a SDS, or visit our web site: www.arkemacoatingresins.com No chemical should be used as or in a food, drug, medical device, or cosmetic, or in a product or process in which it may contact a food, drug, medical device, or cosmetic until the user has determined the suitability and legality of the use. Since government regulations and use conditions are subject to change, it is the user's responsibility to determine that this information is appropriate and suitable under current, applicable laws and regulations. Arkema Coating Resins requests that the customer read, understand, and comply with the information contained in this publication and the current SDS(s). The customer should furnish the information in this publication to its employees, contractors, and customers, or any other users of the product(s), and request that they do the same. Storage and Follow procedures typically recommended for polymer dispersions. Use corrosionresistant storage tanks and piping. Air-operated diaphragm pumps are preferred. Handling Packaged material should be stored indoors in the original unopened and undamaged container, in a dry place. Exposure to direct sunlight should be avoided. Avoid extreme temperatures. Do not freeze; store between 40-90°F (4-32°C). For more details, refer to "Storage and Handling of Arkema Coating Resins Products –

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