

ENCOR® 154S

High Solids, Self-Crosslinking Acrylic Binder

Product Benefits

ENCOR® 154S latex is a high solids, self-crosslinking acrylic binder with excellent quick set and a high degree of wet tack. While it is primarily used as a binder for sealant applications, this latex can also be used to formulate barrier coatings, construction adhesives, contact adhesives, and pressure sensitive adhesives.

Sealants and adhesives based on ENCOR® 154S latex exhibit superior adhesion to a variety of surfaces, including hardwoods, plywood, glass, high-pressure laminate, particle board, fabrics, and metals. Sealants can be formulated to pass ASTM C 834 requirements with high elongation.

Polymer Design

- Acrylic

Performance Benefits

- Excellent quick set
- High degree of wet tack
- Superior adhesion to a variety of surfaces

Typical Polymer Properties¹

Surfactant	Anionic
Total Solids, % by weight	60.0
Weight per Gallon, lb	
Latex	9.0
Polymer	9.5
pH Value	4.5
Particle Size, microns	0.4
Viscosity, 25°C, cP (Brookfield, LVT #2, 60 rpm)	350
Glass Transition Temperature, midpoint, °C	-4
Minimum Filming Temperature, °C	<0
Mechanical Stability	Excellent
Freeze-Thaw Resistance, 5 cycles	Pass
Flame Retardant Salt	Excellent

¹The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications.



ENCOR® 154S

High Solids, Self-Crosslinking Acrylic Binder

Product Safety

Before handling the materials listed in this bulletin, read and understand the product MSDS (Material Safety Data Sheet) for additional information on personal protective equipment 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 an MSDS, 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 MSDS(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 Handling

Follow procedures typically recommended for polymer dispersions. Use corrosion-resistant storage tanks and piping. Air-operated diaphragm pumps are preferred. Avoid temperature extremes. Do not freeze; store between 4-40°C.



Arkema Coating Resins
410 Gregson Dr.
Cary, NC 27511

Telephone:
1.800.777.8227

Visit our website:
www.arkemacoatingresins.com

IMPORTANT: The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Arkema expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; **NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN.** The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.

© 2012 Arkema Inc. All rights reserved. 10/12
ENCOR® is a registered trademark of Arkema Inc.



is a registered trademark of the American Chemistry Council Inc.