

ENCOR® DM109

Styrene Acrylic Latex for General Purpose and High Performance Direct-to-Metal Coatings

Product Benefits

The ENCOR® DM latex series offers coating formulators a wide range of latex performance choices for metal-coating application. The latexes can be formulated into light industrial top coats and primers as well as direct-to-metal (DTM) applications.

ENCOR® DM109 latex is a unique styrene-acrylic emulsion for direct-to-metal gloss maintenance and general metal applications. Its properties allow for a wide temperature and humidity application window, while maintaining early water resistance and flash rust resistance. This latex offers the most advanced coating performance of the ENCOR® DM latex series.

Polymer Design

- Styrene acrylic polymer

Performance Benefits

- Designed for wide temperature and humidity application window
- Shows excellent early water resistance
- Offers superior flash rust resistance
- Provides corrosion resistance
- Gives excellent adhesion to a variety of metal surfaces including galvanized, cold rolled, sand-blasted, rusted, and brushed steel as well as aluminum

Typical Polymer Properties¹

Total Solids, % by weight	47.0
Viscosity, cP	600
pH	8.0
Minimum Filming Temperature, °C	30
Glass Transition Temperature, midpoint, °C	40
Particle Size, µm	0.13
Latex Weight, lb/gallon	8.6

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



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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.



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