

ENCOR[®] DM 166

STYRENE ACRYLIC LATEX FOR GENERAL PURPOSE METAL COATINGS

ARKEMA COATING RESINS

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[®] DM 166 latex is a styrene-acrylic binder for maintenance and general metal applications. For topcoat application, it provides full gloss potential and excellent flow and leveling characteristics.

Polymer Design

- Styrene acrylic polymer

Performance Benefits

- Can be formulated into economical gloss topcoats for industrial metal applications
- Shows good gloss and block characteristics
- Exhibits excellent pigment binding properties
- Low coalescent demand; can be formulated at 150 g/L VOC

Typical Properties¹

Total Solids, % by weight	41
Weight per Gallon, lb	8.6
pH Value	7.5
Viscosity, Brookfield cP	250
Minimum Film Forming Temperature, °C	27
Particle Size, µm	0.09
Glass Transition Temperature, midpoint, °C	37

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

Product Safety

Please refer to the corresponding Safety Data Sheet.

Storage 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.

The product is protected to prevent any microbial deterioration during normal conditions of storage but care should be taken to avoid accidental contamination during subsequent handling and processing.

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The logo for ARKEMA, featuring the word "ARKEMA" in a bold, sans-serif font. The letters "A", "R", "K", "E", and "M" are in a dark blue color, while the letter "A" at the end is in a light green color.