



LIPACRYL™ MB-3640

Product Description

LIPACRYL™ MB-3640 is an APEO free acrylic emulsion for Cool Reflective Roof Coatings with outstanding adhesion to fresh asphaltic roofing substrates.

Application

LIPACRYL™ MB-3640 is designed for use in pigmented protective coatings to extend the life of new and existing roofs. Coatings based on LIPACRYL™ MB-3640 are an excellent choice for use over asphaltic substrates. The polymer provides distinct advantages to cool reflective roof coatings, including excellent resistance to blistering in extended ponded water conditions. In addition, coatings formulated with LIPACRYL™ MB-3640 offer an environmentally friendly water-based alternative to solvent-based aluminized asphalt roof coatings while adding durability, flexibility and resistance to asphalt staining and dirt pickup

When properly formulated and applied, coatings based on LIPACRYL™ MB-3640 offer:

- Excellent resistance to blistering under extended ponded water conditions.
- Excellent adhesion to asphaltic roofing substrates including new and aged built-up asphalt and modified bitumen.
- A barrier to ultraviolet light which prevents degradation of the roofing substrate.
- Resistance to asphalt staining ("bleed through" resistance).
- Excellent dirt pick-up resistance.

Coatings based on LIPACRYL™ MB-3640 should be applied by spray, brush or roller at a minimum of 250 µm dry thickness per pass over asphaltic substrates. It is recommended that two coats (450 – 500 µm dry total) be applied. The wet coating will sometimes discolor immediately when applied over aged asphalt surfaces. However, this water soluble discoloration will disappear after a few rainfalls.

Water-based coatings based on LIPACRYL™ MB-3640 should NOT be applied:

- At temperatures below 5°C.
- At very high (>90%) relative humidity or when rain is expected.
- When temperatures can be expected to fall below the dew point within the next six hours.
- On any non-asphaltic surface.

Typical Properties¹⁾

Appearance	Milky white like
Tg	-15 °C
Solids content	54.5... 55.5 %
pH	6.5 ... 7.5
Density	1.03 g/cm ³
Viscosity (Brookfield LV, spindle 2 @ 60 rpm, 25°C)	20 ... 160 mPa·s

¹⁾ Please note that the values shown are typical values for your guidance. They are not to be taken as specifications and are subject to certain variability. Please consult the sales specifications for details.



Technical Data Sheet

LIPACRYL™ MB-3640**Health and Safety Considerations**

Safety Data Sheets (SDS) are available from The Dow Chemical Company. SDS are provided to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations. SDS are updated regularly, therefore, please request and review the most current SDS before handling or using any product. For further questions consult your Dow contact person.

Storage and Handling

LIPACRYL™ MB 3640 should be stored at temperatures between 5°C and 40°C in tightly sealed containers. Avoid freezing of the material! Local legislation on storage must be followed.

LIPACRYL™ MB 3640 is protected against microbial attack during transportation and storage in not opened original packaging. To avoid problems with microbial attack during processing and in opened packaging attention should be paid on hygiene. In some cases it could make sense to add biocides to avoid problems with microorganisms.

We recommend using the product under safety precautions as described in the SDS. Avoid contact with eyes and skin. Large quantities should be handled in a correctly ventilated area. Material can create slippery conditions.

As the product contains water corrosion-resistance equipment should be used for processing. Low shear pumps like diaphragm pumps should be used.

Additional Information	For more information you may call the following numbers:							
	<table><tr><td>Europe*)</td><td>+800-3-694-6367 (toll free)</td></tr><tr><td>Italy</td><td>800-783-825 (toll free, national)</td></tr><tr><td>Europe, Middle East, Africa</td><td>+31-11567-2626 (toll call)</td></tr><tr><td>South Africa</td><td>+800-99-5078 (toll free, national)</td></tr></table> <p>*) International toll free from Austria, Belgium, Denmark, Finland (prefix 990), France, Germany, Hungary, Ireland, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.</p>	Europe*)	+800-3-694-6367 (toll free)	Italy	800-783-825 (toll free, national)	Europe, Middle East, Africa	+31-11567-2626 (toll call)	South Africa
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