



## Technical Data Sheet for Europe, Middle East and Africa

# PRIMAL™ CM-330 Acrylic Emulsion Polymer

### Product Description

PRIMAL™ CM-330 Acrylic Emulsion Polymer is an APEO and ammonia\* free acrylic emulsion polymer, specifically designed to modify cement compositions. \*APEO and Ammonia are not intentionally added and are not knowingly introduced from other raw material.

### Application

PRIMAL™ CM-330 Acrylic Emulsion Polymer is designed for modification of cement in a wide range of applications such as industrial cement floors, patching and resurfacing, floor underlay, terrazzo flooring, spray and fill coats, pre-cast architectural building panels, cement slurries and highway and bridge deck repair. PRIMAL CM-330 Acrylic Emulsion Polymer has a remarkable stability against cement and provides enhanced adhesion to various substrates such as concrete, masonry, brick, wood, metals, and others. Cement modified with PRIMAL CM-330 Acrylic Emulsion Polymer shows enhanced flexural and impact strength, as well as remarkable abrasion resistance compared to unmodified cement. Cement mortars prepared with PRIMAL CM-330 Acrylic Emulsion Polymer are resistant to many industrial chemicals and have remarkable resistance to ultraviolet light and heat.

### Typical Properties<sup>1)</sup>

Appearance	Milky white liquid
MFFT	10 °C
Solids content	46.5 ... 47.5 %
pH	9.5 ... 10.5
Density	1.06 g/cm <sup>3</sup>
Viscosity (Brookfield LV, spindle 2 @ 60 rpm, 25°C)	20 ... 100 mPa·s

<sup>1)</sup> 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.

### Formulation Guidelines

**Defoamer:** Efficient defoamers in combination with PRIMAL™ CM-330 Acrylic Emulsion Polymer are Tego LAE-511, BYK-037 or Dehydran P-3215 at a 0.5% level on emulsion:

**Coalescent:** When working at temperatures down to 5°C addition of a coalescent is recommended. One of the following coalescent could be used up to a 5% level on emulsion: Texanol, DOWANOL™ DPnB product (Di propylene glycol n-butyl ether) or BUTYL CARBITOL™ product.

## 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

PRIMAL™ CM-330 Acrylic Emulsion Polymer 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.

PRIMAL CM-330 Acrylic Emulsion Polymer 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.

## Product Stewardship

Dow has a fundamental concern for all who make, distribute and use its products, and for the environment in which we live. This concern is the basis for our Product Stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our Product Stewardship program rests with each and every individual involved with Dow products — from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

## Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow

Additional Information	<p>For more information you may call the following numbers:</p> <table> <tr> <td><b>Europe*)</b></td> <td><b>+800-3-694-6367 (toll free)</b></td> </tr> <tr> <td><b>Italy</b></td> <td><b>800-783-825 (toll free, national)</b></td> </tr> <tr> <td><b>Europe, Middle East, Africa</b></td> <td><b>+31-11567-2626 (toll call)</b></td> </tr> <tr> <td><b>South Africa</b></td> <td><b>+800-99-5078 (toll free, national)</b></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>	<b>Europe*)</b>	<b>+800-3-694-6367 (toll free)</b>	<b>Italy</b>	<b>800-783-825 (toll free, national)</b>	<b>Europe, Middle East, Africa</b>	<b>+31-11567-2626 (toll call)</b>	<b>South Africa</b>	<b>+800-99-5078 (toll free, national)</b>
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