Construction Chemicals

Technical Data Sheet

PRIMAL™ CM-330

Product Description

PRIMAL™ CM-330 is an APEO and ammonia* free pure acrylic emulsion polymer, specifically designed to modify cement compositions.

Application

PRIMAL™ CM-330 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 has an excellent stability against cement and provides excellent adhesion to various substrates such as concrete, masonry, brick, wood, metals, and others. Cement modified with PRIMAL™ CM-330 shows superior flexural and impact strength, as well as excellent abrasion resistance compared to unmodified cement. Cement mortars prepared with PRIMAL™ CM-330 are resistant to many industrial chemicals and have excellent resistance to ultraviolet light and heat.

*Ammonia is not intentionally added AND is not knowingly introduced from other raw material.

Typical Properties[1)]

Appearance	Milky white liquid
MFFT	10 °C
Solids content	46.5 … 47.5 %
pH	9.5 … 10.5
Density	1.06 g/cm3
Viscosity (Brookfield LV, spindle 2 @ 60 rpm, 25°C)	20 … 100 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.

Formulation Guidelines

Defoamer: Efficient defoamers in combination with PRIMAL™ CM-330 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 (Di propylene glycol n-butyl ether) or Butyl carbitol.

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.

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PRIMAL™ CM-330

Storage and Handling

PRIMAL™ CM-330 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 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:

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	**+800-99-5078 (toll free, national)**

*) 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.

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