



Technical Data Sheet

PRIMAL™ AC-261K**Product Description**

PRIMAL™ AC-261K is an APEO free pure acrylic emulsion polymer for interior or exterior applications.

Application

PRIMAL™ AC-261K is a suitable binder for formulating concrete and fibre cement roof tile paints and other coatings where good exterior durability is needed. The pure acrylic back bone ensures good dirt pick up resistance and alkali resistance. In addition, the proprietary adhesion technology incorporated in this dispersion will provide a high degree of crack resistance and adhesion in wet and dry conditions.

Typical Properties¹⁾

Appearance	Milky white liquid
MFFT	18 °C
Solids content	49.5 ... 50.5 %
pH	8.5 ... 9.1
Density	1.07 g/cm ³
Viscosity (Brookfield LV, spindle 2 @ 60 rpm, 25°C)	50 ... 300 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

PRIMAL™ AC-261K can be formulated with common paint ingredients and does not require specific caution. Below are some guidelines to help formulators:

Dispersants: Good pigment dispersion and stability results were obtained with OROTAN™ 731-A ER or OROTAN™ N-4045 at 0.8% to 1% active ingredient level based on pigment and extenders.

Defoamers: Standard defoamers can be used with PRIMAL™ AC-261K. For example, Byk®- 024 or Foamaster® NXZ gives good results.

Rheology Modifiers: PRIMAL™ AC-261K can be formulated with HEUR thickeners (ACRYSOL™ RM-825, ACRYSOL™ RM-8W, ACRYSOL™ RM-2020, ACRYSOL I™ RM-5000 and ACRYSOL™ SCT-275) that have all been used successfully in formulating semi-gloss and matt paints. The level of associative thickener needs to be selected carefully. Low levels may give lapping problems over hydrophilic substrates, but high levels may lead to poor block resistance and recoat properties.

Coalescents and co-solvents: We recommend starting with a coalescent level in the range of 8-10% calculated on binder solids. Usually a level of 8% Texanol provides good film properties. Propylene glycol (PG) used at 3-5% on total formulation improves paint application properties.

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



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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™ AC-261K 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™ AC-261K 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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