



Technical Data Sheet for Europe, Middle East and Africa

PRIMAL™ CA-600 Acrylic Emulsion Polymer

Product Description

PRIMAL™CA-600 is a pure acrylic emulsion polymer ready to use for water based contact adhesive in DIY and in industry.

Application

PRIMAL™CA-600 acrylic emulsion polymer is a water based contact adhesive to bond various substrates, such as wood, laminates, metal, leather, plastic substrates, misc. textiles, as well as carpets, moldings etc. It could be used in DIY and industrial contact adhesives.

PRIMAL CA-600 acrylic emulsion polymer shows excellent green strength and develops high shear strength rapidly. It has outstanding contact ability using low pressure. Due to the chemistry of the polymer PRIMAL™CA 600 acrylic emulsion polymer is resistant against UV-radiation.

- Other characteristics of PRIMALCA-600 acrylic emulsion polymer are:
- Excellent shear and peel resistance
- Good resistance to creep at elevated temperatures
- In-can stability
- Low VOC, no additional solvent or plasticizer needed
- Easy to formulate
- No need for addition of tackifiers

Typical Properties¹⁾

Appearance	Milky white liquid
Solids content	59.5 - 61%
pH	6.2
Density	1.03 g/cm ³
Viscosity (Brookfield LV, spindle 2 @ 50 rpm, 25°C)	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

PRIMAL™CA-600 acrylic emulsion polymer is ready to use. It does not need to be formulated with other additives. As a rheology modifier (depending on the packaging: tubes, pails, etc...), we recommend our ACRY SOL™ RM 2020 rheology modifier product.

The addition of 5% (solids/polymer solids) of a further improves the high temperature creep resistance, while maintaining the excellent contactability.

Formulation Guidelines

PRIMAL™CA-600 acrylic emulsion polymer is preserved. However, if it should be formulated/blended with other emulsions, the addition of additional biocide (such as KATHON™) is recommended.

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™CA-600 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 CA-600 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

Product Stewardship

As the product contains water corrosion-resistance equipment should be used for processing. Low shear pumps like diaphragm pumps should be used. 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>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	+800-99-5078 (toll free, national)
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