



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

PRIMAL™ RS-110 Acrylic Dispersion

Product Description

PRIMAL™ RS-110 is a pure acrylic emulsion polymer for use over concrete roof tiles. It is manufactured without added APEO (no APEO surfactants intentionally added).

Application

PRIMAL™ RS-110 is designed for clear varnishes or paints for concrete roof tiles. It can be applied before or after the curing of the cement, coated wet on wet. PRIMAL RS-110 enhances the color and gloss development and provides very good resistance to efflorescence and whitening as well as very good exterior durability. Calcium ion stability and recyclability of PRIMAL RS-110 is good. PRIMAL RS-110 is ready to use for coating cementitious roof tiles and it has a broad application window e.g. it tolerates low temperature as well as high humidity.

Typical Properties¹⁾

Appearance	Milky white liquid
MFFT	< 5 °C
Solids content	45 ... 46 %
pH	8.2 ... 9.1
Density	1.06 g/cm ³
Viscosity (Brookfield LV, spindle 2 @ 30 rpm, 25°C)	max. 400 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.

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™ RS-110 should be stored at temperatures between 5°C and 40°C in tightly sealed containers. Avoid freezing of the material! Upon purchase, applicable legislation on storage must be maintained/followed. PRIMAL RS-110 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 under your sole decision 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

For more information you may call the following numbers:

International Toll-Free

00800-3-694-6367

International Toll-Free from:
Austria, Belgium, Denmark, Finland (prefix 990), France, Germany, Hungary, Ireland, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

EMEI Toll Call

0031-11567-2626

Italy Toll-Free National

00800-783-825

South Africa Toll-Free National

00800-99-5078

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