



MAINCOTE™ PR-225 EF

Basecoat Binder for Metal Roof Tiles

Product Description

MAINCOTE™ PR-225 EF acrylic co- polymer dispersion is manufactured without added APEO (no APEO surfactants intentionally added). The product offers very good adhesion to primed metal, good exterior durability, high toughness and good binding capacity. MAINCOTE PR-225 EF acrylic co- polymer dispersion was designed for pigmented basecoats over factory applied metal roof tiles requiring excellent adhesion to coil steel, including both chrome passivated and chrome-free coil steel. Very good adhesion to zinc aluminium coil steel of basecoats formulated on MAINCOTE PR-225 EF acrylic co- polymer dispersion offers roof tile manufacturers greater flexibility to select a wider variety of steel sources without sacrificing performance.

Features

- Very good adhesion to both chrome-passivated and chrome-free coil steel
- Very good adhesion to zinc aluminium coil steel
- Good balance of low temperature flexibility and adhesion
- Ambient temperature cross-linking offering improved toughness and resistance to damage in warmer climates
- Hydrophobic composition that offers very good wet adhesion

Typical Properties⁽¹⁾

Property	Typical Values
Appearance	Opaque, white to off-white liquid
Solids, by weight, %	50.5
Density (g/ml), wet	1.04
pH	9.4
Minimum Film Forming Temperature ($\pm 2^{\circ}\text{C}$)	11
Glass Transition Temperature, T_g ($\pm 2^{\circ}\text{C}$)	10
Viscosity (Brookfield LV #2, 60 rpm), cps	< 500
Storage precautions	Protect from freezing
pH	5.5 – 7.5

(¹)These data are typical values and cannot be considered as a specification. For product handling and safety aspects, please refer to the Safety Data Sheet.

Health and Safety Considerations

Safety Data Sheet (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

Store products in tightly closed original containers at temperatures recommended on the product label.

Disposal

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner. It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow representative for more information.

Chemical Registration

Many countries within the Asia-Pacific require the registration of chemicals, either imported or produced locally, prior to their commercial use. Violation of these regulations may lead to substantial penalties imposed upon the user, the importer or manufacturer, and/or cessation of supply. It is in your interests to ensure that all chemicals used by you are registered. Dow does not supply unregistered products unless permitted under limited sampling procedures as a precursor to registration.

Asia-Pacific Product Line

Product availability and grades vary throughout the countries in Asia-Pacific. Please contact your local Dow representative for further information and samples.

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:

Australia/NZ	+61-3-9956-7500
South East Asia	+65-6861-1077
Greater China	+86-21-3851-1000
Japan	+81-3-5460-2150
Korea	+82-10-5265-3736
India	+91-22-6602-8888

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