



## MAINCOTE™ 1200 Acrylic Polymer

New Generation Acrylic Polymer  
Designed for High Performance Metal Protection Applications

### Regional Product Availability

EMEA

### Description

MAINCOTE™ 1200 Acrylic Polymer for high performance metal protection applications is equipped with ambient crosslinking and AVANSE™ Inorganic Interactive Technology. These technologies enable enhanced pigment and anti-corrosive pigment wetting and adsorption resulting in high barrier properties.

MAINCOTE™ 1200 Acrylic Polymer facilitates the development of low VOC coating formulations showing an exceptional combination of high adhesion, mechanical, gloss, UV resistance, durability, barrier protection and corrosion resistance properties making it the binder of choice for high performance clear and pigmented DTM and topcoat applications.

### Characteristics of the Product

- APEO-free\*
- Quick hardness development
- Exceptional adhesion to a variety of substrates
- EN-12944 C3 high corrosion resistance (DTM)
- Low VOC formulations capable (< 100g/L)
- High gloss potential and excellent durability and dirt pick up resistance properties

\*APEO is not intentionally added and is not knowingly introduced from another raw material.

### Typical Physical Properties

(The following properties are typical but do not constitute specifications)

Property	Typical Values
Appearance	Milky white liquid
Solids	44.5+/-1 %
Viscosity (25°C)	< 500 mPa.s
Density (wet)	1.03 +/-0.02g/ml
pH	8.5-9.0
Minimum Film Formation Temperature	36 +/-2°C
Storage precautions	Protect from freezing

### Ambient Temperature Crosslinking Technology

MAINCOTE™ 1200 Acrylic Polymer uses ambient temperature cross-linking chemistry in a one-pack system. Paints formulated with MAINCOTE™ 1200 Acrylic Polymer will oxidatively cure during and after the latex particles have coalesced to form a film with improved toughness and resistance properties. Formaldehyde or aldehyde releasing additives will adversely affect the performance of paints based on MAINCOTE™ 1200 Acrylic Polymer and are not recommended.

**Handling Precautions**

Before using this product, consult the Material Safety Data Sheet (MSDS)/Safety Data Sheet (SDS) for details on product hazards, recommended handling precautions and product storage.

**Storage**

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

**Disposal Considerations**

Dispose in accordance with all, local or national 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 or national regulations. Contact your Dow Coating Materials Technical Representative for more information.

**Chemical Registration**

Many countries within EMEA 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.

**Note on EMEA Product Line**

Product availability and grades vary throughout the countries in the EMEA area. Please contact your local Dow Coating Materials 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.

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