



PRIMAL™ 1950 Emulsion

For Plasticizer-Free Sealants and Patching Compounds

Regional Product Availability

- Asia-Pacific

Description

PRIMAL™ 1950 Emulsion is a high solids (63%), 100% acrylic polymer emulsion designed for high-performance sealants and patching compounds. PRIMAL 1950 Emulsion facilitates the formulation of flexible sealants without the addition of an external plasticizer.

Key Features

Plasticizer-free sealants, such as those based on PRIMAL™ 1950 Emulsion, are critical in applications where durability and aesthetics are important. Sealants based on PRIMAL 1950 are an excellent choice for patching cracks in masonry walls prior to painting.

Typical latex acrylic and polyurethane sealants contain supplementary plasticizers and oils. Over time, these plasticizers and oils migrate out of the sealant and attract dirt and support mildew growth.

PRIMAL 1950 Emulsion's low-Tg eliminates the need for supplementary plasticizers and, hence, the associated problems.

Benefits

Sealants based on PRIMAL™ 1950 Emulsion offer a number of important advantages over typical acrylic latex and polyurethane sealants because they are free of plasticizers:

- Excellent resistance to dirt pick-up and mildew growth
- Low shrinkage
- Low-temperature flexibility
- Excellent retention of flexibility, elongation, movement properties upon aging
- Excellent long-term durability
- No paint glossing

PRIMAL 1950 Emulsion eliminates the problem of plasticizer migration, which can embrittle the sealant over time. PRIMAL 1950 Emulsion based sealants do not harden or crack with age or UV exposure. In addition, they offer exceptional adhesion to masonry substrates.

Typical Properties

These properties are typical but do not constitute specifications	
Appearance	Opaque, white to off-white liquid
Solids, by weight, %	63.0
Density, wet, (g/ml)	1.04
pH	5.0
Glass transition temperature, Tg (±2°C)	- 50
Viscosity (Brookfield LV #2, 30 rpm, 25°C), cps	< 300
Storage precautions	Protect from freezing

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

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 Coating Materials Technical 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.

Note on Asia-Pacific Product Line

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

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