



RHOPLEX™ DCR-113 Acrylic Binder

100% Acrylic Binder for APEO-Free, Low VOC Deck & Concrete Restoration Coatings

Description

RHOPLEX DCR-113 is an aqueous all-acrylic emulsion polymer designed for formulating into high solids Deck & Concrete Restoration coatings. Low VOC, APEO-free* restoration coatings can be formulated with RHOPLEX DCR-113 to provide excellent abrasion resistance and flexibility, in addition to adhesion to concrete and well-weathered wood.

Features

- Provides ability to formulate high-build coatings for Deck & Concrete Restoration
- 100% Acrylic
- APEO-free*
- Excellent flexibility and crack resistance over well-weathered wood
- Excellent abrasion resistance
- Very good adhesion and blister resistance over well-weathered wood

*Manufactured without the use of APEO surfactants

Typical Physical Properties

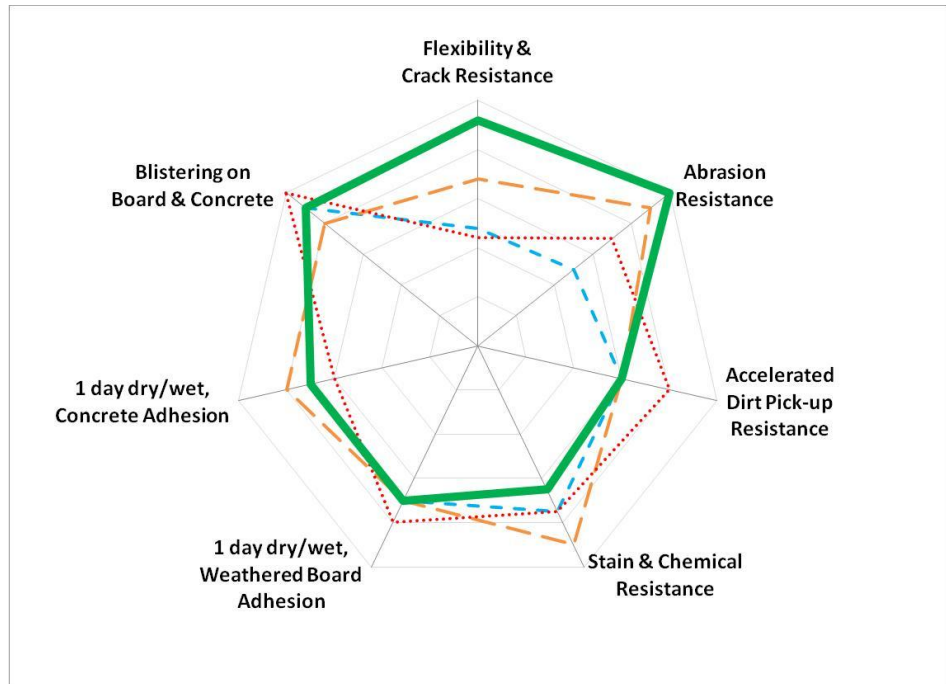
(These properties are typical but do not constitute specifications).

Property	Typical Values
Appearance	Milky white liquid
Solids, weight	53.5%
pH	8.5-9.0
Density (Dry Polymer)	9.4 lb/gal
Minimum Film Formation Temperature	0°C
Viscosity (Brookfield, #3/30rpm)	500 cP
APEO-free?	Yes

PERFORMANCE

The performance of RHOPLEX™ DCR-113 binder in a 43.5% PVC / 43% Volume Solids formulation (tinted to Cedar-tone) is shown in Figure 1 below, in comparison to three commercially-available deck & concrete restoration coating products (also tinted to cedar-tone). The results shown in the figure show how RHOPLEX DCR-113 binder can provide a solid overall balance of properties required for restoration coatings, highlighted by an excellent combination of flexibility and crack resistance along with resistance to abrasive damage.

Figure 1 – Lab performance properties of RHOPLEX DCR-113 (—) in Cedar-tone screening formulation (43.5% PVC/43% Volume solids, 50g/L VOC), compared to three commercially-available Deck & Concrete Restoration coatings.



**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, 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 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. The Dow Chemical Company does not supply unregistered products unless permitted under limited sampling procedures as a precursor to registration.

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Stewardship**

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