

# Carboset® X-Flex 100

Acrylic Emulsion

PERFORMANCE COATINGS

## PRODUCT DESCRIPTION

Carboset® X-Flex 100 is a cement compatible APEO-free pure acrylic dispersion designed for the formulation of high flexible two component cementitious waterproofing membranes. Due to its low glass transition temperature, Carboset® X-Flex 100 provides waterproofing membranes with crack-bridging properties at low temperatures.

## FEATURES/BENEFITS

- Ammonia free cement compatible binder
- High flexible binder even at low temperatures
- Improves flexural and adhesion properties of products based on hydraulic binders
- Imparts waterproofing properties
- Enable formulations of high elastic protection coatings
- Excellent weathering resistance

## PHYSICAL CHARACTERISTICS\*

|                               |   |
|-------------------------------|---|
| Appearance                    | White emulsion                          |
| Solids, Weight (%)            | 59.0 – 61.0                             |
| Density, (g/ml)               | 1.01                                    |
| Viscosity, Brookfield (cps)** | 100 – 1000                              |
| pH                            | 8.0 – 9.0                               |
| Tg                            | -40°C (calculated / theoretical values) |

\* Property values represent typical results only and are not to be considered specifications.

\*\* Brookfield Model RVT, #2 Spindle @ 20 RPM

## TYPICAL APPLICATIONS

Carboset® X-Flex 100 is used to formulate high elastic waterproofing two component mortars.

Trials are recommended in advance for each application, performance of Carboset X-Flex 100 is influenced to a large extent by the type of cement or hydraulic binder included in the formulation.

Carboset X-Flex 100 is also used in crack-bridging products and high elastic protection coatings.

## SHELF LIFE/STORAGE

Lubrizol recommends retesting the quality 1 year after the date of manufacture. Store unopened containers indoors at temperatures between 45° & 95° F.

## REGULATORY STATUS

Please see the product's current safety data sheet, SDS, for regulatory information. You can request an SDS at [www.lubrizolcoatings.com](http://www.lubrizolcoatings.com).

The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained. The information is based on laboratory work with small-scale equipment and does not necessarily indicate end product performance. Because of the variations in methods, conditions and equipment used commercially in processing these materials, no warranties or guarantees are made as to the suitability of the products for the applications disclosed. Full-scale testing and end product performance are the responsibility of the user. Lubrizol Advanced Materials, Inc. shall not be liable for and the customer assumes all risk and liability of any use or handling of any material beyond Lubrizol Advanced Materials, Inc.'s direct control. The SELLER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein is to be considered as permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner.

Trademarks owned by The Lubrizol Corporation © The Lubrizol Corporation 2013 All Rights Reserved. Brecksville April 2014

The Lubrizol logo consists of the word "Lubrizol" in a bold, sans-serif font, with a blue swoosh underline that starts under the 'L' and ends under the 'l'.

[www.lubrizolcoatings.com](http://www.lubrizolcoatings.com)