

KEMPEROL® 1K AQUA MB BASE

Base Coat For The KEMPEROL® 1K AQUA Over Modified Bitumen

PRODUCT DESCRIPTION

KEMPEROL® 1K AQUA MB BASE is a single-component, UV-resistant, light-stable, low-odor, low-solvent, low VOC, cold liquid-applied base coat for the KEMPEROL 1K AQUA Coating. KEMPEROL® 1K AQUA MB BASE is used over existing BUR, modified bitumen (smooth and mineral surfaced) roofs to prevent asphalt bleed-through.

COMPOSITION & MATERIALS

KEMPEROL® 1K AQUA MB BASE is a single-component, light blue, water-based hybrid elastomeric polymer.

USE

KEMPEROL® 1K AQUA MB BASE is a part of a cost-effective roof maintenance coating system that can be sprayed or roller applied to help extend the life expectancy of an existing roof system. The base coat may be used over existing modified bitumen (smooth and granular) membranes.

ORDERING INFORMATION

KEMPEROL® 1K AQUA MB BASE:

Item#:	Size:
528-05-105	5 US GAL / 18.9 KG (18.9 L)
528-05-155	55 US GAL / 208.2 KG (208.2 L)

STORAGE

Review Safety Data Sheets before handling, available online at www.kempersystem.com. Always store in cool and dry location. Do not store in direct sunlight or in temperatures below 50 °F (10 °C) or above 80 °F (27 °C). Approximate shelf life 12 months with proper storage. For best use, 24 hours before application, the material is to be acclimated at temperatures between 65-70 °F (18-21 °C). **KEEP FROM FREEZING.**

SURFACE PREPARATION

All surfaces must be free from gross irregularities, loose, unsound or foreign material such as dirt, ice, snow, water, grease, oil, release agents, lacquers, or any other condition that would be detrimental to adhesion. This requires careful preparation of existing horizontal and vertical substrates; cracks are filled, expansion joints are prepared, flashings are modified, termination points are determined, and any blistered sections to be repaired and replaced in kind.

PRIMING

After surface preparation, please refer to the Kemper System Substrate Primer Selection Table, found in the Technical Manual.

MIXING OF RESIN

Mix resin with a spiral agitator until the liquid is a uniform light blue color.

APPLICATION (SPRAY COATING)

Using airless spray equipment, recommended air pressure of 2,700 to 3,000 psi at the tip and must be able to handle high viscosity liquids. Tip size of 0.17 – 0.21 and hose size 3/8". The product has excellent suspension and requires minimal mixing. **DO NOT THIN.**

PRODUCT INFORMATION	
Resin Type	100%
Solvent	water
Gloss	<12% t @ 60°
VOC Content	<250 grams / liter
Film Thickness Wet	3.0 - 4.0 Mils
Film Thickness Dry	1-1.5 Mils
Film Thickness To Touch	1-3 Hours
Dry Times (at 77°F 50% Relative Humidity)	3 Hours To Recoat 7-14 Days Full Cure
Weight Solids	44% +/- 2%
Volume Solids	36% +/- 2%
Flash Point	N / A
SUSTAINABILITY INFORMATION	
% Bio-based Material	0%
Recycled content % (post / pre)	0 / 0
Manufacture location	OHIO, USA

APPLICATION (ROLLER)

Roller-apply KEMPEROL® 1K AQUA MB BASE over a clean and prepared surface. Do not press hard when using a roller as that will contribute to roller marks. Ensure to lap each preceding path to erase squeeze out from the edge of roller. Always maintain a wet edge.

DISPOSAL

Cured KEMPEROL® 1K AQUA MB BASE resin may be disposed of in standard landfills.

NOTE: Uncured KEMPEROL® 1K AQUA MB BASE resin must be handled in accordance with local, state and federal regulations. Do not throw uncured resin away.

DISCLAIMER

NO WARRANTY, EXPRESS OR IMPLIED, IS MADE IN THIS DOCUMENT. THE PRODUCT IS NOT CLAIMED TO BE MERCHANTABLE OR FIT FOR ANY PARTICULAR PURPOSE. User and certified Kemper System America, Inc. (KSA) applicators determine suitability only. See individual KSA product data sheets, SDS sheets, guide specifications and details for complete information regarding the suitability, application, and handling of KSA products.