

KEMPEROL® 1K AQUA MB BASE

Elastomeric Base Coat For 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 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 / 26.46 KG (18.9 L)
528-05-155	55 US GAL / 291.28 KG (208.2 L)

YIELD

80 ft² / GAL (1.25 GAL / 100 ft²)

STORAGE

Review Safety Data Sheets before handling, available online at www.kempersystem.com. Always store in a 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.

MIXING OF RESIN

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

PRODUCT INFORMATION		
Color	Light Blue	
Physical State	cures to solid	
Thickness	20 mil WFT / 10 mil DFT	
VOC Content	3 g / L	
Usage Time*	30 minutes	
Water Resistant After*	5 hours	
Solid To Walk On After*	12 hours	
Can Be Re-Coated After*	24 hours	
Completely Hardened*	48 hours	
<i>* Values obtained at 73°F, 50% relative humidity, may vary depending upon air flow, humidity, and temperature.</i>		
SUSTAINABILITY INFORMATION		
% Bio-based Material	0%	
Recycled content % (post / pre)	0 / 0	
Manufacture location	OHIO	
PROPERTIES		
PHYSICAL PROPERTY	TEST METHOD	VALUE
Volume Solids	ASTM D2697	52%
Tensile Strength	ASTM D412	550 psi
Elongation	ASTM D412	200%
Tearing Strength	ASTM D624	140 lbf / in
Weight Solids	ASTM D1644 Method A	65%
Viscosity	ASTM D6083	20,000
Water Swelling	ASTM D6083 / D471	11%
Accelerated Weathering	ASTM D4798	PASS

APPLICATION (SPRAY COATING)

Using airless spray equipment, recommended air pressure of 2,700 to 3,000 psi at the reversible spray tip, not a paint tip with the atomizer bar, as these will cause the product to go down uneven and aerate the product. Tip size depends on the speed of application, recommended sizes are 0.019 – 0.023 and hose size 3/8". Make sure the base coat dries completely. Apply KEMPEROL® 1K AQUA Coating per specification as soon as the base coat is dry. Keep the recoat time between coating and base coat to a minimum.

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. Do not over work the coating when rolling the surface.

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.