

192 One-Kote (Vertical/Horizontal)

DESCRIPTION:

KARNAK One-Kote is a single-component elastomeric waterproofing membrane, polyurethane with bitumen modifiers, designed for installations on below grade foundation walls of concrete or CMU and concrete deck applications with split slabs or pavers systems. Above grade applications on concrete, CMU, or frame and sheathing, insulated wall systems.

USES:

KARNAK One-Kote is an ideal waterproofing membrane for concrete below-grade foundation walls, tunnels, earth sheltered structures and decks for split-slab or paver overburdens, CMU foundation walls and CMU or frame and sheathing exterior insulated walls (wall temperatures does not exceed 1300F (540C)). Plywood terrace or balcony deck installations with High-Build application.

Single layer application membrane thickness of 60 mil for vertical and horizontal applications.

High-Build multi-layer application of 90 or 120 mil of membrane thickness.

After fully cured verify the integrity of the cured membrane on horizontal surfaces by flood testing the area with a minimum depth of 2 ½" (63 mm) of water and allowing the water to stand for 24 hours. Visually inspect the bottom surface of the deck to check for any water penetration. If repairs are necessary, drain the area and allowed to dry, reapply again for membrane integrity. Protect immediately.

Exterior below grade: Concrete Construction, Walls / Tunnels / Planters, CMU Construction Walls, Incidental Metal Walls, Pressure Treated Foundation Walls

Above grade Insulated Cavity Walls: Concrete or CMU Walls, Framing & Exterior Sheathing Walls, EIFS Exterior Wall Assemblies

Horizontal elevated decks: Parking Garage – Split Slab, Plaza Decks – Split Slab/Pavers, Terraces

KARNAK

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WEB: <http://www.karnakcorp.com>

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APPLICATION:

- All concrete deck surfaces should be steel trowel to a flat, uniform surface with a light broom finish.
- Concrete must be properly cured for at least 30 days, water cure is recommended. If membrane curing compounds are used these must be mechanically removed prior to application.
- Deck surfaces to receive Karnak One-Kote waterproofing membrane require a minimum of 2% slope to drain. (ASTM C 1127 Standards)
- Patch all voids and deep depressions in the substrates with appropriate patch materials before applying Karnak One-Kote.
- Apply Karnak One-Kote when substrates are dry and air temperatures are 40°F to 90°F (4°C to 32°C): for application temperatures below 40° F (4°C), consult Technical Services.
- Avoid application of inclement weather is present or imminent.
- Do not apply to surfaces that are wet or contaminated.
- CMU construction requires a prime coat of Karnak One-Kote to the porous block. Dilute the water roofing up to 25% with the xylene or apply a parge coat of cementitious material, and allow curing minimum of 24 hours prior to applying Karnak One-Kote.
- Remove all dust, dirt and other contaminants just prior to application. All surfaces must be dry at the time of application.
- Pre-strip any pockmarks or honeycombs with membrane to fill cavities completely. Air entrapment within voids may cause blisters. Extreme cases may require additional repair.
- Static cracks and joints are considered to be less than 1/16" (1.6 mm) and should be filled by pre-stripping. Applied materials so it both fills and overlaps joints or crack to a width of 4" (102 mm) on each side.
- Dynamic or working joints are considered to be over 1/8" (3 mm) must be sealed with polyurethane sealant. These joints should be routed to a minimum of ¼" (6 mm) and filled with sealant.
- Uncoated metal surfaces require removal dust debris any other contaminants and brush to bright metal. Clean the surfaces with approved solvent prior to the installation of a polyurethane sealant or pre-strip of Karnak One-Kote.
- All joints, cracks, and openings around penetrations must be sealed with sealant or pre-stripping of Karnak One-Kote and allowed to cure overnight before applying final membrane.

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- When the final membrane is applied, the overall thickness over joints and cracks, at corners and around penetrations should be approximately 100 mils (2.5 mm) on the standard system.
- Standard system application horizontal surfaces, empty contents of the pail and spread immediately to ensure workability. Best results are obtained by marking off 125 ft.² (11.61 m²) area and evenly spreading the contents of the 5 gallon (18.93L) unit with a rubber edge notched squeegee, ¾" nap roller or trowel.
- From vertical applications install at a rate of 25 ft.²/gal (0.6 m²/liter) with a trowel, ¾" nap roller or spray.
- Verify the applied thicknesses with a wet mil thickness gauge as a work progresses.
- High Build system application horizontal surfaces, apply 60 wet mils of Karnak One-Kote, followed by setting reinforcement fabric into the wet material. Overlap all seams a minimum 3 inches (76 mm). Allow the first coat to cure overnight and follow with the second 60 mil-wet application. sealant and then proceed with the High Build system.
- Curing requires a minimum 24 hours at 75° F (24° C) and 50% relative humidity. Protect membrane from traffic during curing process.
- Plywood applications require all plywood all joints to be sealed with polyurethane sealant and then proceed with the high build system.
- Curing requires a minimum 24 hours at 75° F (24° C) and 50% relative humidity. Protect membrane from traffic during curing process.
- After fully cured verify the integrity of the cured membrane on horizontal surfaces by flood testing the area with a minimum depth of 2 ½" (63 mm) of water and allowing the water to stand for 24 hours. Visually inspect the bottom surface of the deck to check for any water penetration. If repairs are necessary, drain the area and allowed to drive, reapply and tested again for membrane integrity. Protect immediately.

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SPECIFICATIONS:

ASTM C 836

Nat'l Standard of Canada 37.58 - M86

PHYSICAL PROPERTIES:

Property	Results	Test Method
Modulus (100%)	80 psi	ASTM D 412
Heat Aging	No Cracking	ASTM C 836
Bridge Cracking	Pass (10 cycles)	ASTM C 836
Adhesion	5 lbs/in width	ASTM C 836
Permeability	0.1 dry perms	ASTM E 96
Elongation	600%	ASTM D 412
Tensile Strength	150 psi	ASTM D 412
Shore Hardness	85	ASTM C 836

CARE OF TOOLS:

Tools and other equipment should be thoroughly cleaned with Karna-Klean or mineral spirits, taking necessary precautions when handling combustible materials.

PACKAGING:

KARNAK One-Kote is available: 5 gallon pail (18.95 L) Store in control environment (90°F max)

If further information is needed, contact Karnak Technical Services at 1-800-526-4236.

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