

**KEMPEROL AC MEMBRANE SYSTEM FOR WATERPROOFING****BASIC USE**

The KEMPEROL® AC membrane system is intended for use in waterproofing applications where the utmost in speed of application is of paramount importance.

Typical applications include: plaza decks, fountains and other water features, below-grade, between-slab, through-wall flashing, masonry restoration, secondary containment, and many other related uses.

**PRODUCT DESCRIPTION**

The Kemperol AC waterproofing system is a fully reinforced, cold fluid-applied membrane system. It can be installed either as a complete edge-to-edge Kemperol membrane system, or in discrete locations to address localized conditions.

The Kemperol AC system is based primarily upon advanced polymethyl methacrylate technology, incorporating a liquid component and a powdered catalyst, with each component curing in approximately one hour.

The Kemperol AC system includes the following components:

- Kempertec AC Primer
- Kemperol AC Resin with Kemperol 165 Polyester Fleece Reinforcement
- Kempertec AC Adhesion Key Surfacing (Optional)
- Kemperdur AC Finish (Optional)

The Kemperol AC membrane system components average under 35 g/l VOC and are not solvent-based.

**TECHNICAL ADVANTAGE**

The Kemperol AC same-day application system is suitable for both exterior and well-ventilated interior applications where speed of system application is critical.

The Kemperol AC system is exceptionally durable, reliable, and long-lasting, and has a combination of physical properties that makes it ideal for an exceptionally wide range of applications.

Unlike many other waterproofing systems, the Kemperol AC system incorporates flashings that are made of the same materials as the waterproofing membrane itself, essentially creating a seamless, self-terminating monolithic membrane that readily adapts to the contours of the substrate.

The Kemperol AC system bonds directly

to the substrate, eliminating the possibility of water moving laterally beneath the waterproofing membrane. The system eliminates seams, pitch pockets, metal flashings and termination bars - the locations where most leakage occurs.

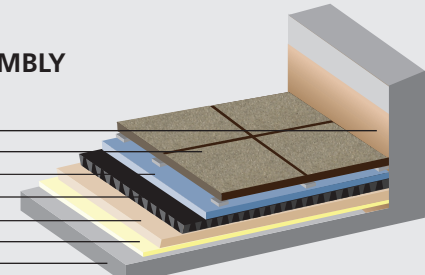
The Kemperol AC system adheres tenaciously to all common construction materials including concrete, CMU block, brick, wood, stainless steel, copper,

galvanized steel, aluminum, cast iron, glass, fiberglass, cement board, treated gypsum board, and rigid PVC. Because of its exceptional adhesion and flexibility, the AC system can be used to transition from one type of material to another without need of intermediate separation flashings.

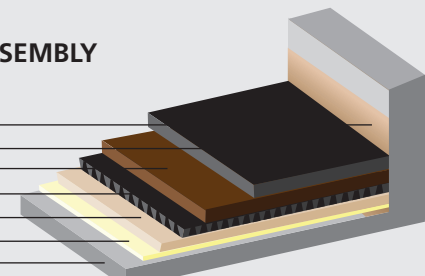
The Kemperol AC system is resistant to V exposure without need of a separate protection layer. The Kemperol AC system

**TYPICAL ASSEMBLIES****STANDARD WATERPROOFING ASSEMBLY**

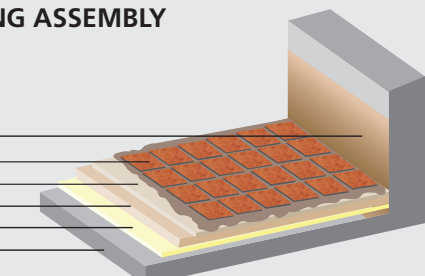

KEMPEROL AC FLASHING  
KEMPERDUR AC FINISH (OPTIONAL)  
KEMPEROL AC MEMBRANE  
KEMPERTEC AC PRIMER  
APPROVED DECK

**PLAZA DECK WATERPROOFING ASSEMBLY**


KEMPEROL AC FLASHING  
PRECAST CONCRETE PAVERS WITH PEDESTALS (TYPICAL)  
EXTRUDED POLYSTYRENE INSULATION (OPTIONAL)  
DRAINAGE BOARD (OPTIONAL)  
KEMPEROL AC MEMBRANE  
KEMPERTEC AC PRIMER  
APPROVED DECK

**BELOW-GRADE WATERPROOFING ASSEMBLY**


KEMPEROL AC FLASHING  
HARDSCAPE (OPTIONAL)  
SOIL/GRAVEL FILL (TYPICAL)  
DRAINAGE BOARD (OPTIONAL)  
KEMPEROL AC MEMBRANE  
KEMPERTEC AC PRIMER  
APPROVED DECK

**SOLID OVERBURDEN WATERPROOFING ASSEMBLY**


KEMPEROL AC FLASHING  
CONCRETE/TILE/PAVEMENT (TYPICAL)  
KEMPERTEC AC PRIMER W/SAND  
KEMPEROL AC MEMBRANE  
KEMPERTEC AC PRIMER  
APPROVED DECK

is root and rot resistant, and resists degradation by most oils, grease, and other common chemical substances. In addition, Kemperol AC is unaffected by standing water and ice, and can be left submerged indefinitely.

## INSTALLATION OUTLINE

REFER TO THE KEMPEROL TECHNICAL MANUAL FOR COMPLETE INSTALLATION INFORMATION.

- **Substrate Preparation:** Ensure that the substrate is clean and dry. Remove all contaminants, and existing coatings from all surfaces to allow proper adhesion of the Kemperol AC system. Roughen all metal flashing surfaces by grinding.
- **Substrate Repair:** Route out all moving cracks and fill with urethane sealant. Non-moving cracks will be filled during priming application.
- **Primer:** Apply Kempertec AC primer to all substrate surfaces. Allow to fully cure.
- **Membrane:** Install Kemperol AC membrane and flashing system to primed surfaces. All moving cracks are to be reinforced with an initial strip of Kemperol AC membrane prior to application of the full system.
- **Surfacing:** For all applications where an adhered overburden is to be applied (e.g. concrete, tile, stucco, asphalt pavement,

etc.), apply Kempertec AC primer over the entire area to be covered, and broadcast kiln-dried sand into the wet primer.

- **Coating:** For applications where a colored coating or aggregated surfacing is desired, apply Kemperdur AC FINISH.

All Kemper System, Inc. products are intended for PROFESSIONAL USE ONLY.

## WARRANTY INFORMATION

Kemper System, Inc. warrants its products to be free of defects, and will provide replacement materials at no charge for any product proven to be defective.

Kemper System, Inc. provides technical installation training to qualified contractors, who are then eligible to become Kemper System Authorized Applicators.

In addition, for qualified installations, Kemper System Authorized Applicators are eligible to apply for watertightness warranties issued by Kemper System that provide for repair at no charge to address covered leaking conditions due to defects in products or installation workmanship. Standard warranty duration is twenty (20) years.

## TECHNICAL AND SALES SUPPORT

Kemper System, Inc. sales and technical representatives are available to support the proper specification and application of Kemper System, Inc. products to ensure a long and successful performance life.

Services provided include: on-site evaluations; specification assistance; jobstart, interim and final completion inspections.

For further assistance call our Service Center at 1-800-541-5455, or visit our website at [www.kempersystem.net](http://www.kempersystem.net).

## MANUFACTURER

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