

KEMPERDUR AC SYSTEM FOR TRAFFIC SURFACING**BASIC USE**

The KEMPERDUR® AC surfacing system is intended for use as a same-day waterproofing and surfacing system for vehicular and pedestrian applications where speed of application is of paramount importance.

PRODUCT DESCRIPTION

The Kemperdur AC system combines a heavy-duty, impact and abrasion-resistant aggregated surfacing system with a Kemperol reinforced fluid-applied flashing system, or a complete edge-to-edge Kemperol reinforced fluid-applied membrane and flashing system, to provide a unique combination of waterproofing and traffic-resistant surfacing over concrete substrates.

The Kemperdur AC system is based upon advanced methyl methacrylate technology. Each component of the system incorporates a liquid component and a powdered catalyst, with each component curing in approximately one hour.

The Kemperdur AC system includes the following components:

- Kempertec AC Primer
- Kemperol AC Resin with Kemperol 165 Polyester Fleece Reinforcement
- Kemperol AC Resin with Aggregate
- Kemperdur AC Finish

The Kemperdur AC system components average under 35 g/l VOC and are not solvent-based, but there is a short-term odor associated with the materials until curing is achieved.

TECHNICAL ADVANTAGE

The Kemperdur AC same-day application system is suitable for both exterior and well-ventilated interior applications where access time is limited.

Unlike typical traffic coating systems, the Kemperdur AC system incorporates a 70 mil thick waterproofing membrane/flashing at all critical areas. A complete edge-to-edge membrane and flashing system is used for exposed applications over occupied space, such as the top level of a parking garage or a terrace area. A flashing-only system is used for protected applications or applications over unoccupied space, such as intermediate levels parking garage or an overhanging balcony.

In addition, the Kemperdur AC system incorporates a self-leveling resin that is reinforced with a graded mineral filler to create a very hard and durable high-build surfacing

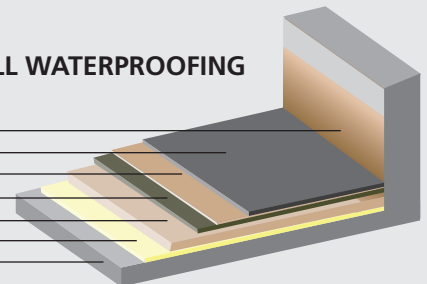
layer that also serves to bond the broadcasted surfacing aggregate, resulting in a typical finished surfacing thickness of 100 mils.

Vehicular traffic systems incorporate a broadcast of kiln-dried quartz aggregate or other crush-resistant aggregate with a sealcoat application of colored Kemperdur AC finish in either light gray or charcoal for enhanced wear resistance. In either light gray or charcoal for enhanced wear resistance.

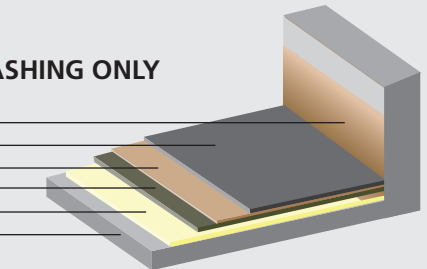
Pedestrian traffic systems incorporate color blended ceramic quartz aggregate with a sealcoat application of transparent Kemperdur AC finish to achieve a balanced combination of wear resistance and aesthetics. Ten standard aggregate color blends are available.

TYPICAL ASSEMBLIES**VEHICULAR TRAFFIC ASSEMBLY – FULL WATERPROOFING**

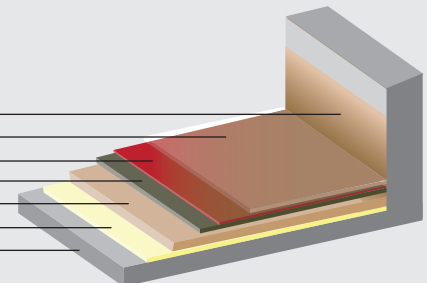
KEMPEROL AC FLASHING
KEMPERDUR AC FINISH COLORED
AGGREGATE
KEMPERDUR AC SURFACING
KEMPEROL AC MEMBRANE
KEMPERTEC AC PRIMER
CONCRETE DECK

**VEHICULAR TRAFFIC ASSEMBLY – FLASHING ONLY**

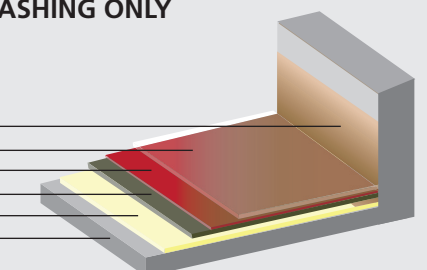
KEMPEROL AC FLASHING
KEMPERDUR AC FINISH COLORED
AGGREGATE
KEMPERDUR AC SURFACING
KEMPERTEC AC PRIMER
CONCRETE DECK

**PEDESTRIAN TRAFFIC ASSEMBLY – FULL WATERPROOFING**

KEMPEROL AC FLASHING
KEMPERDUR AC FINISH TRANSPARENT
AGGREGATE BLEND
KEMPERDUR AC SURFACING
KEMPEROL AC MEMBRANE
KEMPERTEC AC PRIMER
CONCRETE DECK

**PEDESTRIAN TRAFFIC ASSEMBLY – FLASHING ONLY**

KEMPEROL AC FLASHING
KEMPERDUR AC FINISH TRANSPARENT
AGGREGATE BLEND
KEMPERDUR AC SURFACING
KEMPERTEC AC PRIMER
CONCRETE DECK



INSTALLATION OUTLINE

REFER TO THE KEMPEROL TECHNICAL MANUAL FOR COMPLETE INSTALLATION INFORMATION.

- **Substrate Preparation:** Ensure that the concrete substrate is clean and dry. Remove all contaminants and existing coatings from all surfaces to allow proper adhesion of the Kemperdur 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 the concrete substrate and all flashing surfaces at the perimeter, penetrations, expansion joints, and drain locations.
- **Membrane:** Install Kemperol AC membrane and flashings as required for application type. All moving cracks are to be reinforced with an initial strip of Kemperol AC membrane.
- **Surfacing:** Apply Kemperol AC surfacing over the entire area and allow to self-level. Broadcast the selected aggregate into the wet surfacing resin so as to fully cover the surface.

- **Sealing:** Remove all loose aggregate from the applied surfacing. Apply selected colored or transparent Kemperdur AC finish to seal the aggregate surfacing.

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/surfacing performance 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, and separation of surfacing from the membrane/substrate. Standard warranty duration is ten (10) 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.

MANUFACTURER

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