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# ARDEX E 25

## Resilient Emulsion

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Specially designed additive for ARDEX K 15® and ARDEX K 500

Improves the elasticity and flexural strength

Part of the ARDEX K 15® and ARDEX E 25

**UNDERLAYMENT SYSTEMS:**

Over Cutback and Other Adhesive Residues, Over Metal, and The Mesh-Reinforced Wood Subfloor System

Use with ARDEX K 500 for high stress areas subject to forklift traffic

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# ARDEX E 25

## Resilient Emulsion

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### Description

The addition of ARDEX E 25 improves the modulus of elasticity and the cohesive and flexural strengths of ARDEX K 15® SELF-LEVELING UNDERLAYMENT CONCRETE and ARDEX K 500 SELF-LEVELING CONCRETE TOPPING.

### Mixing And Application with ARDEX K 15®

Please refer to the Ardex Substrate Preparation Brochure for specific instructions on subfloor preparation regarding the installation over cutback adhesive residue, metal, or wood. Please refer to the ARDEX K 15® Technical Brochure for instructions on priming prior to application.

ARDEX K 15® is mixed in 2-bag batches at one time. For each bag, mix 2 quarts (1.9 liters) of ARDEX E 25 with 6 quarts (5.7 liters) of water. Put the liquid in the ARDEX T-10 Mixing Drum, and then add each bag of ARDEX K 15® powder while mixing at full speed with an ARDEX T-1 Mixing Paddle and a ½" heavy-duty drill (min. 650 rpm). Mix thoroughly for 2 to 3 minutes to obtain a lump-free mixture. Install at no less than ⅛" thickness over the highest point in the floor, following installation instructions.

ARDEX K 15® has a flow time of 10 minutes at 70°F. Pour the liquid mix on the floor and spread with the ARDEX T-4 Spreader. Immediately smooth the material with the ARDEX T-5 Smoother. Wear baseball or soccer shoes with non-metallic cleats to avoid leaving marks in the liquid ARDEX K 15®.

ARDEX K 15® can be installed using the ARDEX Levelcraft Automatic Mixing Pump. Please refer to the instructions in the ARDEX K 15® Technical Brochure.

The floor can be walked on in 2 to 3 hours and floor covering can be installed in 16 hours. Low substrate temperatures and/or high ambient humidity will extend the drying time. Do not install below 50°F surface or air temperature.

### Mixing And Application with ARDEX K 500

Please refer to the Ardex Substrate Preparation Brochure for specific instructions on subfloor preparation. Please refer to the ARDEX K 500 Technical Brochure for instructions on priming prior to application.

ARDEX K 500 is mixed in 2-bag batches at one time. For each bag, mix 2 quarts (1.9 liters) of ARDEX E 25 with 5 quarts (4.75 liters) of water. Put the liquid in the ARDEX T-10 Mixing Drum, and then add each bag of ARDEX K 500 powder while mixing at full speed with an ARDEX T-1 Mixing Paddle and a ½" heavy-duty drill (min. 650 rpm). Mix thoroughly for 2 to 3 minutes to obtain a lump-free mixture. Install at no less than ¼" thickness over the highest point in the floor, following installation instructions.

ARDEX K 500 has a flow time of 10 minutes at 70°F. Pour the liquid mix on the floor and spread with the ARDEX T-4 Spreader. Immediately smooth the material with the ARDEX T-5 Smoother. Wear baseball or soccer shoes with non-metallic cleats to avoid leaving marks in the liquid ARDEX K 500.

ARDEX K 500 can be installed using the ARDEX Levelcraft Automatic Mixing Pump. Please refer to the instructions in the ARDEX K 500 Technical Brochure.

The floor can be walked on in 3 hours and sealed with ARDEX CG CONCRETE GUARD™ within 24 hours. Low substrate temperatures and/or high ambient humidity will extend the drying time. Do not install below 50°F surface or air temperature.

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## Notes

This product is intended for use only with ARDEX K 15® or ARDEX K 500. Never use this product alone. All installations involving the use of this product are intended for interior use over dry substrates only. Do not use in areas of constant water exposure or in areas exposed to permanent or intermittent substrate moisture as this may jeopardize the performance of the underlayment and the floor covering or sealer. This product is not a vapor barrier and will allow free passage of moisture.

**Follow the directives of the floor covering or sealer manufacturer regarding the maximum allowable substrate moisture content and test the substrate prior to installing ARDEX K 15® or ARDEX K 500.**

Where substrate moisture exceeds the maximum allowed, Ardex recommends the use of ARDEX MC™ MOISTURE CONTROL SYSTEM. For further information, please refer to the Ardex Technical Brochures.

Always install an adequate number of properly located test areas, to include the finish flooring or sealers, to determine the suitability of the product for its intended use. As floor coverings and sealers vary, always contact and rely upon the floor covering or sealer manufacturer for specific directives such as maximum allowable moisture content, adhesive selection, and intended end use of the product.

Low substrate temperatures and/or high ambient humidity require longer drying times for ARDEX primers. Do not install ARDEX K 15® or ARDEX K 500 before primer has dried thoroughly.

ARDEX K 15® with ARDEX E 25 over cutback is intended for application over adhesive residues on concrete subfloors only. Avoid installing over floors subjected to heat (i.e., hot machine shop floors or floors containing in-floor heating systems), as the heat might soften the remaining residue resulting in installation failure. Water-soluble adhesive residues must be completely removed. Test installations are always required.

When not in use, keep the container tightly sealed. Open and reseal as necessary. Store container at room temperature (50° to 90°F). Keep from freezing and heat. If the container is exposed to temperatures below 50°F and appears congealed or stringy, do not use and contact the ARDEX Technical Service Department for more information.

## Precautions

Avoid eye and skin contact. Mix in a well ventilated area and avoid breathing powder or dust. Ensure that rooms are well ventilated during application and while drying. Do not reuse container. Dispose of container and emulsion residue in accordance with federal, state, and local waste disposal regulations. Do not flush emulsifier down drains, sewers, or waterways. KEEP OUT OF REACH OF CHILDREN. Harmful if swallowed. Carefully read and follow all cautions and warnings on the product label. For complete safety information, please refer to the Material Safety Data Sheet or visit our website at [www.ardex.com](http://www.ardex.com).

Physiologically and ecologically friendly when set. Never mix with cement or additives other than Ardex approved products. Observe the basic rules of concrete work. Do not install below 50°F surface temperature.

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## Technical Specifications According To Ardex Quality Standards

<b>Mixing Ratio:</b>	ARDEX K 15®: Add 2 quarts with 6 quarts of water, then add powder  ARDEX K 500: Add 2 quarts with 5 quarts of water, then add powder
<b>Packaging:</b>	1 gallon (3.8 liter) container
<b>Storage:</b>	Store in a cool dry area. Do not expose container to sun. Keep from freezing. Keep from heat. Keep container closed tightly when not in use.
<b>Shelf Life:</b>	One year

## Limited Warranty

Ardex, L.P. warrants that if this product proves to have manufacturing defects and ARDEX is notified of such within six months from the date ARDEX shipped the product, ARDEX will replace the defective product f.o.b. factory. Such product replacement shall constitute the sole and exclusive remedy for any claim under this warranty. ARDEX does not authorize anyone, including ARDEX Representatives, to make any statements which supersede, modify or supplement the information provided on its printed literature or package labels without written confirmation from the Ardex Technical Service Department. Any installations proceeding without this confirmation, or misinstallations of the product, will void this warranty. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED, IMPLIED, OR STATUTORY, AND IS STRICTLY LIMITED TO ITS TERMS. ARDEX MAKES NO WARRANTY OF MERCHANTABILITY OR SUITABILITY OF ITS PRODUCTS FOR ANY PARTICULAR PURPOSE. All product demonstrations are placed for illustrative purposes only and do not constitute a warranty of any kind. ARDEX SELLS ITS PRODUCTS UPON THE CONDITION THAT CUSTOMERS SHALL CONDUCT THEIR OWN TESTS TO DETERMINE THE SUITABILITY OF THE PRODUCTS FOR THE CUSTOMERS' INTENDED PURPOSES. UNDER NO CIRCUMSTANCES WILL ARDEX BE LIABLE FOR ECONOMIC, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OR LOSSES OF ANY KIND WHATSOEVER ARISING OUT OF OR OCCASIONED BY THE SELECTION, USE, INSTALLATION, OR REPLACEMENT OF THESE PRODUCTS.

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