



# KEMAPOX LINK

## Two component epoxy bonding bridge

- ▶ Long pot life
- ▶ Substrate hardening
- ▶ Water impermeable
- ▶ Vapour permeable
- ▶ Mixing ratio: A:B=1:1,8
- ▶ Possible broadcast with sand EPOXY SAND ES
- ▶ Dilution with water in ratio (A+B)=1:1 for application as an bonding bridge



<b>PRODUCT DESCRIPTION</b>	<b>2-component low viscous epoxy coating and application interface layer for the old-new water-based. It contains no solvents.</b>
<b>FIELD OF USE</b>	To impregnate cement bases, to fill capillaries and pores in the concrete surfaces, for reinforcing the concrete surfaces.

<b>PRODUCT PROPERTIES</b>	<ul style="list-style-type: none"> <li>• Long pot life</li> <li>• Substrate hardening</li> <li>• Water impermeable</li> <li>• Vapour permeable</li> <li>• Mixing ratio: A:B=1:1,8</li> <li>• Possible broadcast with sand EPOXY SAND ES</li> <li>• Dilution with water in ratio (A+B)=1:1 for application as an bonding bridge</li> </ul>
---------------------------	---

<b>PRODUCT DATA</b>	
<b>BASIC INFORMATION</b>	<b>Appearance</b> Epoxy resin (viscose liquid) and hardener (dense liquid)
	<b>Packing</b> 5,6 kg (2 kg of component A + 3,6 kg of component B) 28 kg (10 kg of component A + 18 kg of component B)
	<b>Storage and expiration date</b> 12 months from date of production if stored properly in undamaged original sealed packaging in dry and cool conditions. Date of production is printed on packaging.
<b>TECHNICAL DATA</b>	<b>Type of product</b> Water base epoxy system
	<b>Mix ratio (A:B)</b> 1:1,8
	<b>Pot life (at +23°C)</b> 2-4 h
	<b>Totally cured after</b> 7 days

## INSTRUCTIONS FOR USE

**CONSUMPTION** 0,1–0,3 kg/m<sup>2</sup>, depend of substrate absorptivity

**BASE** The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc. The concrete substrate must be sound and of sufficient compressive strength (minimum 25 MPa) with a average pull off strength of 1.5 MPa (minimum measured value has to up to 1,0 MPa). Moisture content in substrate has to be up to maximum 8% (CM method, concrete mark MB at least 35)

**BASE PREPARATION** Repairs to the substrate, filling of blowholes/voids and surface levelling can be carried out using appropriate products from the KEMA program (for example KEMAPOX GRUND products).  
The concrete or screed substrate has to be primed or levelled in order to achieve an even surface. High spots must be removed by e.g. grinding.  
All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.

**MIX RATIO** A:B=1:1,8 (rate of components A and B); Water:(A+B)=1:1

**MIX TIME** The resin typically is thicker and heavier than the hardener, so they don't always blend together too easily. Before blending, mix the components separately to reduce their viscosity and make them easier to blend. After mixing each component for 2 to 3 minutes, place correctly proportioned amounts of component B in component A. Mix for about 1,5 minutes, scrape the sides and bottom of the bucket, and then mix for another 1,5 min until homogenous mixture is reached. When mixing, move the paddle in a circular pattern with an up-and down motion. Before use place the mixture in third container and mix again. The third mixing container must be clean and free of dirt, oil, grease, or other contaminants. Additional mixing is not suppose to be very long-time, to prevent too much air bubbles in mixture.  
If smaller quantity of mixture is to prepare, use separate mixing container. Before blending, mix the component for 2-3 minutes separately and then place correctly proportioned amounts of each ingredient in a mixing container. The mixing container, must be clean and free of dirt, oil, grease, or other contaminants. For weighing of smaller amounts use digital weighing machine, with precision +/- 0,001 kg.  
Water is added when A and B components are already mixed. Never try to mix resin, hardener and water at the same time.

**MIX TOOL** Use mechanical mixing equipment, for example low speed electric stirrer (300 - 400 rpm).

**INSTALLATION** Apply one coat by brush, roller or spray to a section of the area to be treated at a coverage rate of 3-10 square metres per kg. Only apply the Bonding Bridge to an area to which the new render or concrete can be placed while the bonding bridge remains wet or tacky. Immediately following application of the KEMAPOX LINK, place the new render or concrete and finish as required. Repeat the process until the full area to be treated is complete.

**TOOL** For spreading the brush, roller or spray is to used.

**CLEANING OF TOOL** Clean all tools and application equipment with KEMAPOX SOLVENT immediately after use. Hardened and/or cured material can only be removed mechanically.

## LIMITATIONS

**BASE TEMPERATURE** +8°C min./ +30°C max.

**AIR TEMPERATURE** +8°C min./ +30°C max.

**MATERIAL TEMPERATURE** +8°C min./ +30°C max.

- WARNINGS**
- Protect fresh install epoxy resin from freezing, raining and other weather conditions. Use product in temperature more then +8°C.
  - Epoxy resins come in two parts: resin and hardener. The two parts must be mixed in the precise ratio given in the manufacturer's instructions. Imprecise measuring and mixing prevents the epoxy resin from solidifying or curing.

**Recommendation:** Remains of the unhardened/unset material have to be removed in accordance with the legislation.

**Data source:** All technical data in this technical sheet was obtained by laboratory research. Actual data may differ due to different working conditions.

**Local restrictions:** Due to specific local regulations the installed product can differ from country to country. For exact instructions for use a country specific technical sheet should be obtained.

## SAFETY DATA

### EYES AND FACE:

Chemical resistant goggles and face shield must be worn. Examples of eye protection include a chemical safety goggle, or chemical safety goggle in combination with a full face shield when there is a greater risk of splash. Do not wear contact lenses.

### SKIN:

Wear chemical resistant (impervious) gloves.

### RESPIRATORY:

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

### PROTECTIVE CLOTHING:

If repeated or prolonged skin contact or contamination is likely, protective clothing should be worn.



## LEGAL BASE

Information and recommendations related to use of KEMA products are presented in good faith and believed to be correct. The later is based on our knowledge and experience with the products. Information is supplied upon the condition that products are stored and used according to the recommendations and the persons receiving the same will make their own determination as to its suitability for their purposes prior to use. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to Information or the product to which information refers. In no event will KEMA be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information or the product to which Information refers. Nothing contained herein is to be construed as a recommendation to the use any product, process, equipment or formulation in conflict with any patent, and KEMA makes no representation or warranty, expressed or implied that the use thereof will not infringe any patent. All orders fall under current sales and supply conditions. The user should always check the latest technical sheet available upon demand.