

## Technical Data Sheet

# KEMEPOX AQUA IMPREGNATION

## Water-dilutable 2C epoxy impregnation

<b>product description:</b>	Two component water-dilutable impregnation based on epoxy resin. It is used as a primer to even out the absorbency of the substrate and improve the adhesion of <i>Kemepox Aqua</i> paint.
<b>field of use:</b>	It is suitable for concrete surfaces, mineral wall surfaces. In the system with <i>Kemepox Aqua</i> paint it is used for finishing concrete substrates where greater mechanical resistance is required, decorative protection in craft workshops, laundries and warehouses. It is used as a primer on concrete linings of tunnels, underground structures, etc.
<b>packaging:</b>	19.5 kg (15 kg component A + 4.5 kg component B)
<b>dilution:</b>	Pure water, max. 5 %.
<b>consumption:</b>	0.14–0.18 kg/m <sup>2</sup> depending on the absorbency and roughness of the substrate. Determine the exact consumption of the coating by applying a test field on the object.
<b>mixing ratio:</b>	Component A : component B = 10 : 3 (Kemepox aqua impregnation: Hardener for Kemepox aqua impregnation = 10 : 3). Mixing volume ratio 14.3 L of component A and 4.07 L of component B.
<b>density:</b>	Component A: 1–1.2 kg/l (EN ISO 2811-1)
<b>non-volatile-matter content:</b>	20–25 % (EN ISO 3251)
<b>volatile organic compounds content (VOC):</b>	A(j), 140 g/l; max. 10 g/l (EN ISO 11890-1)
<b>working conditions:</b>	The temperature of the air, material and surface during processing must be higher than +5 °C and lower than +30 °C, and the relative humidity lower than 80 %. The minimum substrate temperature must be 3 °C higher than the dew point. The material must not be applied on sunny and in windy or foggy weather (be sure to place a screen against the sun or rain on the scaffolding). Low temperatures as well as high air humidity prolong the drying time and can change the shade unevenly. High temperatures in summer shorten open time of the material.
<b>substrate preparation:</b>	The substrate must be completely dry, smooth, clean, free of loose parts, dust, grease stains, mold and other foreign substances. Before each painting, the substrate must be inspected and its condition determined. All loose parts of the substrate and old coatings should be removed. The resulting unevenness, depending on their depth, fill with suitable plasters or leveling compounds. Substrates infected with algae and fungi should be cleaned with a cloth or brush and a solution of universal cleaning agents or by using high-pressure washers (adjust the water pressure and spray angle so that the facade is not damaged). After drying, treat the substrate with <i>Algenon</i> biocidal solution. Wash greasy and heavily soiled parts with a solution of potassium soap. The concrete base must be at least one month old.
<b>material preparation and application:</b>	Before use, mix the material in the original packaging with a slow rotating mixer (stir Kemopox aqua impregnation in it's original packaging and stir hardener for Kemepox aqua impregnation in it's original packaging). Prepare the epoxy coating by adding Kemepox aqua impregnation hardener to Kemepox aqua impregnation and mix the mixture for 2-3 minutes. If necessary, dilute with water to the consistency of application, maximum 5%. Mix only the amount of paint that is sufficient for a single coating of the area that can be painted within approx. 1.5 h. <b>Different production batches, as well as products tinted in the Top Mix system, must be cross mixed before use.</b> Kemopox aqua impregnation is applied with paint brush, paint roller (fibre length between 18-20 mm) or airless spray. When using a roller use a suitable paint roller net. For spray application of the material, use high-pressure devices, without filters, minimal

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pressure of 50 bar, with nozzles in accordance with the device manufacturer's instructions. Spray the material at a 45 ° angle, followed by a roller due to achieve final appearance.

Wash the tool immediately after you finish the work.

Adhere to the applicable construction standards when applying the products.

For any additional info, please contact a Chromos-Svjetlost technical advisor.

### open working time and drying of the coating:

Working temperature	Pot life
10 °C	2 hours
20 °C	1.5 hours
30 °C	1 hour

The surface is dry to the touch after 4 h and completely dry after 8 h. Topcoat of Kemepox aqua can be applied after 12 hours.

High temperature shorten the open time of the material and low temperatures prolong the open time. During the curing process (within 24 hours), the applied material must be protected from moisture, so as not to reduce the bonding power to the substrate or damage the surface.

**safety measures:** It is necessary to follow the general rules for construction works. Keep out of reach of children. Wear protective equipment. Read the product safety data sheet before use.

**transport and storage:** Store in a dry and well-ventilated place out of direct sunlight at a temperature of +5 to +25 ° C. Protect it from freezing.

**shelf life:** In unopened packaging one year.

**product/packaging disposal:** Empty the packaging completely. Dispose of in accordance with valid regulations to an authorized waste collector.

**quality control:** The product is under the constant supervision of factory quality control Chromos-Svjetlost d.o.o.

**disclaimers:** Before using the product, please check its quality. In case of any major deviations from the declared properties of the product, stop the use and contact the manufacturer; otherwise any subsequent complaints will not be accepted.

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