

# KEMA IMPREGNATOR

Chemical concrete surface hardener in liquid form

- ▶ For surface dust prevention
- ▶ Used for young and old concrete and screeds
- ▶ Decrease water and oil absorptivity



## PRODUCT DESCRIPTION

**Special, ready-to-use chemical concrete surface hardener.**

**FIELD OF USE** Hardens and preserves young and old Concrete floors and screeds, forms high-strength, insoluble mineral crystals form in capillaries, hair-cracks and fine-porous concrete floors. For improving abrasion, frost and chemical resistance of cement based substrates. KEMA IMPREGNATOR extremely reduces the water and oil absorption on impregnated surfaces.

- PRODUCT PROPERTIES**
- For surface dust prevention
  - Used for young and old concrete and screeds
  - Decrease water and oil absorptivity

## PRODUCT DATA

### BASIC INFORMATION

**Appearance** Liquid

**Packing** 50 kg in plastic barrel / 800 kg (16x50 kg) on pallet  
10 kg in plastic can / 600 kg (60x10 kg) on pallet

**Storage and expiration date** 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.

### TECHNICAL DATA

**Type of product** Aqueous solution of potassium silicate, molratio > 3,2

**Density** 1,05-1,15 g/cm<sup>3</sup>

**pH (at +20°C)** 11-13

**Colour** colourless

**Dry mater content** 15-17%

## INSTRUCTIONS FOR USE

**CONSUMPTION** 0,1-02 kg of liquid mixture/m<sup>2</sup>, depending on the intended use for one coat

Yield: 1 kg of liquid mixture is for 6-10 m<sup>2</sup> of surface (one coat)

**BASE** Substrates should be firm, free from laitance and clean. The concrete must not be coated with any sealer or paint as product should be used on bare mineral substrates only.

**BASE PREPARATION** The concrete should be vacuum cleaned followed by thoroughly cleaning.

**MIX TIME** Prior use shake the bucket with KEMA IMPREGNATOR.

**INSTALLATION** Apply 2-3 full coats wet-in-wet in a continuous film.  
Use a brush (stiff broom) to break surface tension and help product to better penetrate into concrete. Avoid puddles. Keep wet for about 30 minutes without any dry areas. If the concrete is very porous, make a second application.  
If the concrete is extremely porous, or the concrete mix appears like it was short on cement (high in sand), a third application may be required. Drying time between each layer should be minimum 12 hours.

**TOOL** Use brush or broom.

**CLEANING OF TOOL** Clean tools immediately after the use.

## LIMITATIONS

**BASE TEMPERATURE** min. 5°C

**AIR TEMPERATURE** min. 5°C

**MATERIAL TEMPERATURE** min. 5°C, preferably 20°C

- WARNINGS**
- Never apply outdoors when rain is imminent.
  - Times specified in the technical sheet were measured at the temperature of +23°C and relative air humidity of 50 %. Higher temperatures reduce, while lower temperatures prolong those times.

**Recommendation:** Remains of unhardened/unset material had 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

Irritates eyes and skin. Keep out of reach of children. Product is waterborne and presents no fire hazard.

## LEGAL BASE

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