



# KOROPOX impregnation agent

## SPECIALLY FOR CEMENTITIOUS INDUSTRIAL FLOORS

### DESCRIPTION / APPLICATION

KOROPOX is a water-emulsifying, transparent 2-components system on epoxy-resin basis (concentrate) for the impregnation of cementitious subbases.

Excellently suitable for KOROPLAN, KORODUR and NEODUR industrial floors.

### PROPERTIES

- environment friendly
- water thinnable
- low viscosity
- easy processing
- increased resistance against water, greases, oil, mineral oil, fuel, brake-fluid
- dirt-repellent
- easy cleaning
- very good closure of pores
- improvement of surface strength

### TECHNICAL DATA

**form:** liquid  
**colour:** colourless  
**density g/cm<sup>3</sup>:** 1,0

**air- and subbase temperature:**  
 min. 10 °C, max. 30 °C.

The temperature of the subbase must be at least 3 °C over the prevailing dew-point temperature.

**relative air humidity:**  
 10 °C max. 70 %, 30 °C max. 75 %

**workability time at:**  
 10 °C approx. 1,5 hours  
 20 °C approx. 45 min.  
 30 °C approx. 30 min.

hardening:	10 °C	20 °C	30 °C
ready for foot traffic	18 h	12 h	6 h
ready for full stress	10 d	7 d	5 d

### waiting time between the working steps:

10 °C min. 18 hours, max. 48 hours  
 20 °C min. 12 hours, max. 48 hours  
 30 °C min. 6 hours, max. 16 hours

### PROCESSING

**Subbase:** The subbase must be load bearing, to the most part dry, free from dust, cement-slurry, loose particles, oils, greases and other contaminations. If required, a proper pre-treatment of the subbase must be carried out. An extremely smooth and closed-pore surface requires mechanical roughening.

**Mixing:** Mix components A (resin) + B (hardener) in the indicated correct mixing ratio by using a slowly running electric stirrer until the mixture is homogeneous. For mixing, pour component B completely into component A. During the stirring procedure, the homogeneous milky white mixture is thinned with tap water (1:1) and stirred until homogeneity is achieved.

**Mixing ratio:**  
 component A : component B 1:2  
 afterwards concentrate A+B : tap water 1:1

**Consumption:**  
 1<sup>st</sup> working procedure: 100 – 200 g/m<sup>2</sup> ready mixed KOROPOX (A + B + water) (i.e. 50 – 100 g/m<sup>2</sup> concentrate A + B + same quantity of water)  
 2<sup>nd</sup> working procedure: 50 – 150 g/m<sup>2</sup> ready mixed KOROPOX (A + B + water) (25 – 75 g/m<sup>2</sup> concentrate A + B + same quantity of water)

**Processing:** In order to achieve a uniform wetting of the subbase, the first working procedure principally should be applied by brushing or floating. Give the material enough time to penetrate into the sub-

base. Then remove excessive material with lambskin roll. Then, depending on the hardening process, when needed for intensifying, further working procedures can be done by using lamb-skin rolls, whereby the roll must be strongly pressed to the subbase.

When processing water-emulsifying epoxy resins it must be taken care for a good ventilation during processing and drying, i.e. that the air is repeatedly exchanged. Otherwise disturbances in reaction and drying through have to be expected. This would cause a differing gloss effect and hardness degree on the surface. When interrupting work, always clean working tools with water.

### PRODUCTION

KORODUR Westphal Hartbeton GmbH & Co. KG, Wattenscheid works  
**Certification: DIN EN ISO 9001:2000.**

### PACKAGING/SUPPLY

12 kg double units

### STORAGE

Shelf-life in closed original units and stored in dry and tempered rooms (not below +10 °C) approx. 1 year.

### HINTS

Our recommendations for application techniques are based on our experiences. It is recommended to adapt processing and material quantities to the given local conditions and we refer in this context to our general terms of sale and delivery. Further literature, processing hints, tender texts and test certificates on the different KORODUR industrial flooring systems, KORODUR floor hardeners, KORODUR dry mortars and special products are available on request.

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**KORODUR Westphal Hartbeton GmbH & Co. KG**

[www.korodur.de](http://www.korodur.de)

**Head office:**  
 Wernher-von-Braun-Str. 4  
 92224 Amberg  
 P.O. Box 1653 • 92206 Amberg  
 Phone: +49 (0) 96 21 / 47 59-0  
 Telefax: +49 (0) 96 21 / 3 23 41  
 info@korodur.de

**Bochum-Wattenscheid works:**  
 Hohensteinstr. 19  
 44866 Bochum  
 P.O. Box 60 02 48 • 44842 Bochum  
 Phone: +49 (0) 23 27 / 94 57-0  
 Telefax: +49 (0) 23 27 / 32 10 84  
 wattenscheid@korodur.de

