



# KOROTAN

Status 01/2021

special additive with plasticizing and stabilizing effect

## DESCRIPTON

KOROTAN is a liquid synthetic resin derivative with additional stabilizing properties for KORODUR-KOROTAN industrial floors.

## APPLICATION

KOROTAN is used as auxiliary agent for the processing of KORODUR hard aggregate screeds in one layer, on fresh or set base concrete, as well as for all two-layer systems as additive for all types of screeds (see data sheet KORODUR-KOROTAN industrial floor).

## PROPERTIES

- high plasticizing and dispersing effect
- reduces water separations
- stabilizes and homogenizes the fresh mortar
- improves the bonding ability to the sub-base
- accelerates the fresh mortar strength
- shortens the work cycle
- optimizes the density and improves compressive and flexural strength values
- reduces the shrinkage and the water absorption of the screed mortar – depending on the initial consistency – by up to 25 %
- suitable also in wet areas
- physiological harmless, non-flammable, no hazardous material, no labelling required, environmentally friendly

## TECHNICAL DATA

<b>Condition</b>	liquid	
<b>Colour</b>	brownish / black	
<b>pH-value</b>	approx. 9	
<b>Density (20 °C)</b>	approx. 1,13 g/cm <sup>3</sup>	
<b>Temperature</b>	> 5 °C	
	processing, ambient and sub-base temperature	
<b>Dosage</b> depending on the initial consistency, type of cement and type of aggregate	KORODUR hard aggregate screed, in one layer, fresh on fresh	approx. 1 % of cement weight
	KORODUR-KOROTAN industrial floor, in one layer on set base concrete	approx. 1,5 - 2 % of cement weight
	other screed systems	approx. 1 - 2 % of cement weight

Depending on the intended use, the water-cement ratio in KOROTAN can be reduced at the same consistency or the consistency can be adjusted more plastic at constant water-cement ratio.

## PROCESSING

To achieve optimal processing properties, we recommend to mix the screed mortar in a pan type mixer or in screed conveyor and mixing machines. First, the KORODUR hard aggregate (or screed aggregate) is premixed with cement and a partial quantity of water in stiff consistency. Depending on the use (see dosage) add KOROTAN, approx. 1 - 2 % of cement weight, and mix intensively for 3 minutes. Then add the amount of remaining water required for a workable consistency and continue mixing for a short time.

## SUPPLY

30 kg plastic container

## STORAGE

Protected from frost and heat.

Shelf-life approx. 6 months – also containers that have been opened and reclosed.

**HINTS:** The specifications provided in this data sheet for application and processing are based on tests carried out by KORODUR under ideal conditions in the laboratory and acc. to the relevant technical regulations. Therefore, the indicated data don't represent directions for application or a quality agreement in the meaning of § 434 (1) BGB, no regulation in the meaning of § 434 (2) sentence 2 BGB (German Civil Code) and no guarantee for practical application. Due to the differing conditions on site, preliminary own tests and suitability checks are required before application. Please consider the currently valid product information as well as the relevant safety data sheet acc. to Regulation (EC) No. 1907/2006 in the latest version – also published on the internet: [www.korodur.de](http://www.korodur.de).