



# KORODUR VS 0/5

## for KORODUR Hard Aggregate Industrial Floors

### DESCRIPTION

KORODUR VS 0/5 – hard aggregate, acc. to DIN 1100–A 0/5.

KORODUR VS 0/5 – hard aggregate produced from high grade components including quartz sand and tough by-products from electro-metallurgical melting processes.

KORODUR VS 0/5 guarantees outstanding tensile and compressive strength values, very favourable wearing properties and imparts stable anti-skid properties to industrial flooring surfaces.

For the use in hard aggregate screeds acc. to DIN 18 560-7, „cementitious hard aggregate screed in one layer as composite screed on base concrete“.

### APPLICATION

Specially qualified for sole concrete techniques, concrete with plasticizer, concrete with or without reinforcement, steel fibre reinforced concrete, vacuum concrete.

For all hard aggregate industrial flooring areas with power trowelling. The use of KORODUR VS 0/5 allows power trowelling without unfavourable concentration of fine particles at the surface.

Optimum surface sealing. No shrinkage or contraction cracks where the material is correctly installed.

For use in areas of combined rolling, ramming and grinding stress, percussion, pressure and impact. Able to withstand the sliding and rolling of work parts, plant traffic of all kinds, fork-lift traffic, crawler tractor traffic and transporting equipment with steel wheels etc.

Especially qualified for wet rooms, parking areas, driving and loading ramps, cold stores, ice and roller skating rinks.

### PROPERTIES

- resistant to gasoline, mineral oil, solvents
- highly wear resistant even under the most severe stress
- fork lift-truck resistant
- water resistant, qualified for wet rooms
- anti-skid, non slip in wet rooms
- frost and de-icer resistant
- non-rusting
- electrostatic non-chargeable
- high surface density
- physiological and ecological harmless
- easy to clean

**Certification: DIN EN ISO 9001:2000**

### CONTROL

IBF, Troisdorf



## HARD AGGREGATE COATING GROUP A DIN 1100

	standard resp. characteristic values of the hard aggregate acc. to DIN 1100	standard values acc. to DIN 18560-7 resp. EN 13813
	coating group A	e.g. hard aggregate screed DIN 18560-CT-C 70-F 10-A 5-DIN 1100-A
tensile strength [N/mm <sup>2</sup> ]	10**	10*
compressive strength [N/mm <sup>2</sup> ]	80**	70*
wear*** [cm <sup>3</sup> /50 cm <sup>2</sup> ]	≤ 5*	5*
bulk density* [kg/dm <sup>3</sup> ]	acc. to DIN 1100	
granulometric composition*	acc. to DIN 1100	

\* standard values \*\* characteristic values \*\*\* average value  
 KORODUR VS 0/5 meets all demands according to internal and external controls.

## GROUPS OF MECHANICAL STRESS DIN 18 560, Part 7, Table 1

Stress group	Stress caused by	
	mobile industrial handling equipment, kind of tires <sup>1)</sup>	operational processes and pedestrian traffic
I (heavy)	steel and polyamide	processing, sliding and rolling of metal parts, placing down of goods by means of metal forks, pedestrian traffic of more than 1.000 persons/day
II (medium)	urethane-elastomer and rubber	sliding and rolling of wood, paper rolls and plastic castings, pedestrian traffic of 100 to 1.000 persons/day
III (light)	solid tires and pneumatic tires	assembly areas (on tables), pedestrian traffic up to 100 persons/day

1) refers only to clean tires. Pressed in grit and dirt on tires increase the stress.

### Remarks:

Where loading and abrasion potential is beyond the guidelines for „Stress group I“, e.g. assembly of heaviest equipment or traffic of heaviest vehicles (crawlers) special precautionary measures must be taken.

## PROCESSING / CONSUMPTION KORODUR VS 0/5

Stress group acc. to DIN 18560, Part 7, Table 1	Topping thickness acc. to DIN 18560, Part 7, Table 1, nominal thicknesses	Mixing ratio: 1 weight unit cement : 2 – 3 weight units KORODUR VS 0/5*
I (heavy)	15 mm	21 – 24 kg/m <sup>2</sup> KORODUR VS 0/5
II (medium)	10 mm	14 – 16 kg/m <sup>2</sup> KORODUR VS 0/5
III (light)	8 mm	12 – 13 kg/m <sup>2</sup> KORODUR VS 0/5

\* depending on conditions on jobsite

We recommend:

KOROTEX for after-treatment, KOROPOX for impregnation.

Further literature, test certificates, processing hints, tender texts for the different KORODUR industrial flooring systems, KORODUR floor hardeners, KORODUR special products and building-chemical additives are available on request.

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