



KORODUR WH-SPECIAL

for KORODUR Hard Aggregate Industrial Floors

DESCRIPTION

KORODUR WH-Special - hard aggregate acc. to DIN 1100 – A 0/5.
 KORODUR WH-Special - hard aggregate based on synthetic raw materials. High quality hard aggregates classified in coating group A, specially suitable for surfaces which are subject to the most severe stress, which require high wear and tensile strength, which are particularly resistant to impact. Although classified in coating group A, KORODUR WH-Special achieves wear resistance values of 3,0 cm³/50 cm² as specified in coating group M.

Certification: DIN EN ISO 9001:2000

APPLICATION

For use in hard aggregate concrete screeds acc. to DIN 18560 – 7. Extremely resistant to bumping and ramming stress. Suitable for the use in areas with heavy iron wheel traffic and impact and abrasion damage from sharp-edged machinery etc. Suitable for use on stair treads which are subject to heaviest impact and abrasion. Able to withstand the sliding and rolling of work parts, etc. plant traffic of all kinds, fork-lift traffic, crawler tractor traffic. Especially qualified for loading ramps and surfaces subject to the heaviest traffic.

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



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 ²]	10**	10*
compressive strength [N/mm ²]	80**	70*
wear*** [cm ³ /50 cm ²]	≤ 5*	5*
bulk density* [kg/dm ³]	acc. to DIN 1100	
granulometric composition*	acc. to DIN 1100	

* standard values ** characteristic values *** average value
 KORODUR WH-Special meets all demands according to quality control.

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

Stress group	Stress caused by	
	mobile industrial handling equipment, kind of tires ¹⁾	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 WH-SPECIAL

Stress group acc. to DIN 18560, Part 7, Table 1	Topping thickness acc. to. DIN 18560, Part 7, nominal thicknesses	Mixing ratio: 1 weight unit cement: 2–3 weight units KORODUR WH-Special*
I (heavy)	15 mm	22–27 kg/m ² KORODUR WH-Special
II (medium)	10 mm	15–18 kg/m ² KORODUR WH-Special
III (light)	8 mm	13–14 kg/m ² KORODUR WH-Special

* depending on conditions on job site

For installation acc. to the KORODUR-KOROTAN System the mixing ratio is 1 weight unit cement: 3 weight units KORODUR WH-Special.

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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