



DESIGNBODEN

KORODUR COPETTI FLOOR - KCF®

KORODUR design floor in marble, smoothed optics

DESCRIPTION

KCF 05* and **KCF 08*** - factory produced, ready to use, coloured dry mortars for the production of smoothed, decorative screeds in a layer thickness of 15 to max. 70 mm, depending on the construction.

KCF 05 and KCF 08 – applied in one or two layers acc. to

- DIN 18560-2 screeds and heating screeds on insulation layer
- DIN 18560-3 composite screeds with KORODUR Bonding Compound HB 5
- DIN 18560-4 screeds on separation layer

COLOURS

cement grey, light grey, basalt grey, anthracite, beige, red, olive

FIELDS OF APPLICATION

Sales rooms, museums, exposition rooms, boutiques, lobbies, office and administration buildings, restaurants, galleries.

PROPERTIES

- resistant against mechanical stress
- mineral
- durable, sustainable
- anti-skid

PROCESSING

KCF is applied as composite screed acc. to DIN 18560-3 on existing sub-base (base concrete min. C25/30), which has to be load-bearing, clean, free from contamination/separation layers

Bond strength min. 1,5 N/mm².

The prepared sub-base is thoroughly pre-wet, avoiding puddles. On the matt-damp surface, the KORODUR Bonding Compound HB 5 is applied system-conforming (see data sheet).

KCF dry mortar is mixed with approx. 2,25 l water in plastic consistency and applied fresh-in-fresh onto the still damp bonding compound, stroke off aligned and timely grinded and smoothed.

The KCF surface is repeatedly smoothed until a shiny texture appears.

At the end of the setting phase the surface is smoothed using wing float until closure of pores is achieved. Edges have to be intensively smoothed by hand.

AFTER-TREATMENT

The surface-finished KCF design floor must be protected by after-treatment. In particular coloured floors, which will be subject to first maintenance treatment, must not be after-treated with a curing agent. This would cause the risk of pore closure. In this case, in principle, appropriate covering materials should be used, e.g. painter's cardboard, fleece or tightly placed PE sheets.

FIRST MAINTENANCE

To ensure durable quality and nice optical appearance, the whole surface, after adequate drying and setting (at least 21 days), must be cleaned pore-deep and maintenance treated. Different products are available on request.

PRODUCTION

KORODUR Westphal Hartbeton GmbH & Co. KG, works Wattenscheid
Certification: DIN EN ISO 9001:2008

PACKAGING/STORAGE

25 kg special paper packaging
Store dry, like cement
Shelf-life approx. 6 months

HINTS

Our recommendations for application technique are based on our experiences. It is recommended to adapt the processing to the given local conditions and we refer in this context to our general terms of sale and delivery. Hairline crack formation respectively shrinkage deformation, in principle, cannot be excluded with the KCF system (decorative cement screed) and thus are not considered as technical defect.

Coloured products are exclusively produced from natural raw materials. Thus colour deviations cannot be excluded. The printed colour may deviate from the original colour shade. Test areas are recommended.

This product contains cement and has an alkaline reaction with moisture/water. Therefore protect hands and eyes. In case of contact with eyes consult doctor.

per April 2012

* corresponds the former SECUNDUR.



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CONSTRUCTION

Depending on the construction, stress or product variant, different construction types can be selected, see construction examples.

PRODUCTS

KCF 05: CT - C45 - F6 - A5

KCF 08: CT - C35 - F5 - A5

TECHNICAL DATA

raw material basis: special binding agents, specially selected aggregates

layer thickness: 15 to 70 mm
depending on construction type
(see demands acc. to DIN 18560)

consumption: approx. 2,1 kg/m²/mm

fire grading: A1_{fl}
acc. to DIN EN 13501/1

processing temperature: ≥ 5 °C

water admixture: approx. 2,25 l
per 25 kg bag

CONSTRUCTION EXAMPLES

KCF – composite screed acc. to DIN 18560-3

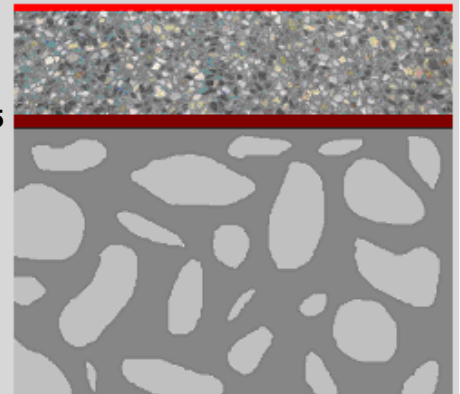
first maintenance →

KCF 05 layer thickness 15 to 25 mm →

KCF 08 layer thickness 25 to 50 mm →

KORODUR Bonding Compound HB 5 →

load-bearing sub-base
acc. to DIN 18560-3, par. 4.1 →



KCF – heating screed on insulation layer acc. to DIN 18560-2

first maintenance →

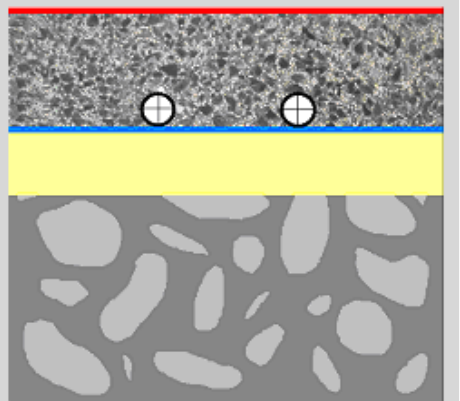
KCF 08 layer thickness min. 45 mm →

over heating element up to a
total thickness of max. 70 mm

covering →

insulation layer →

load-bearing sub-base
acc. to DIN 18560-2, par. 4.1 →



INSTALLATION METHODS-

products	quality	grain size	installation method		
			acc. to DIN 18560-3 in one layer in composite on KORODUR HB 5	acc. to DIN 18560-4 in one layer on separation layer	acc. to DIN 18560-2 in one layer on insulation layer
KCF 05	CT - C45 - F6 - A5	0 – 5 mm	15 – 25 mm	not recommended	not recommended
KCF 08	CT - C35 - F5 - A5	0 – 8 mm	25 – 50 mm	35 – 70 mm	45 – 70 mm

VARIANTS



KORODUR International GmbH

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

www.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

