



GRANIDUR 05 and GRANIDUR 08

coloured cement screed

POLISHED

Maintenance Hints

Preamble

Proper regular cleaning and adequate protection will durably preserve the advantages of **KORODUR GRANIDUR 05 and GRANIDUR 08** Floors.

Most important for an unobjectionable function of the floor is to avoid major dirt collection and a regular wet cleaning with qualified systems, e.g. using cleaning machines. Sand, rough dirt and dust contain quartz and thus have a severe wearing character. Under intensive use, building up dirt (sand, rough dirt, sand dust) may lead to discolouring and affect the surface.

IMPORTANT: Specially during the construction phase with the typical heavy dust and dirt occurrence, a regular cleaning of already finished flooring areas is important and required. During the assembly of building equipment a regular cleaning contributes to minimize the mechanical and chemical stress to the floor. Protective covering materials should be steam-open, neutral and colour-fast. Such coverings must be frequently checked. Before, during and after the grinding works, the surface has to be protected from oily, greasy or other colouring substances.

Important measures for professional cleaning and maintenance:

FINAL CLEANING ON CONSTRUCTION SITE

Effective cleaning detergents provide gentle cleaning of the floor from construction dirt and precede its protection and first maintenance.

FIRST MAINTENANCE and ROUTINE CLEANING

Taking into consideration the relevant demands to economy and operating safety, thoroughly adapted cleaning detergents will provide easy-care to the floor. The floor can be kept clean without damaging it.

PROTECTION

To avoid deeply penetrating contamination and chemical attacks, the floor in addition can be given an oleo and hydrophobic character by applying specific water and oil-repellent impregnations. For special stress, also a protection of the floor against acidic attacks can be achieved by special products.

STAIN REMOVAL / SPECIAL CLEANING

In case of obstinate contamination or oil contamination, these can be removed by means of basic detergents and oil-removers in specific tenside-combination.

Final cleaning on construction site

Remove construction dirt and dust with broom or vacuum device. Then carry out on the well-swept surface mechanical basic cleaning using

MKS® basic cleaner acid-free

Slightly alkaline basic cleaner with a broad line of action:
removes reliably and fast all sorts of contamination as well as slight oil and grease contamination.
Free from aggressive solvents.

For the use of the basic cleaner observe the product information and safety data sheet. Yield:
approx. 60 - 100 sq.m / litre (concentrate).

After basic cleaning with MKS® basic cleaner acid-free neutralize the treated surface by rinsing it off with clear water.

Protection

Oil and stain protection

For all design floors, such as KORODUR GRANIDUR 05 and GRANIDUR 08 with regard to an efficient prevention of contamination, it is recommended to apply a water and oil repellent treatment. The oleo and hydrophobic treatment will not provide the guarantee that liquids, greases or oils in contact with KORODUR GRANIDUR 05 and GRANIDUR 08 floors will not cause stains. However, protected surfaces will delay and impede the penetration of stain causing substances. On protected surfaces, stain causing substances will penetrate only into the topmost, superficial pores and will be impeded from deeper penetration into the pore structure. Thus surfaces with oleo and hydrophobic protection normally are easy to clean.

The impregnation is applied on the polished and cleaned floor after its surface has been dried off thoroughly and uniformly and before the first maintenance treatment is carried out.

Apply MKS® THILOS thin liquid acc. to the product information, saturated and uniformly, avoiding the formation of puddles. If the first application has been perfectly absorbed and dried off, apply a second time in minor quantity. The aim is to achieve the best possible saturation. The technical product information to be observed!

GRANIDUR 05 GRANIDUR 08 with polished surface

After the impregnation of the KORODUR GRANIDUR 05 and GRANIDUR 08 floor, wait for 48 hours before the first maintenance starts. After its impregnation, the floor must not be covered steam-tight. Use acc. to product information and safety data sheet.

Don't use at floor temperature < 7°C and only on a uniformly dried floor surface.

First maintenance

The first maintenance treatment should take place at the earliest 2 days after the impregnation with MKS® THILOS thin liquid. The cleaning concept for KORODUR GRANIDUR 05 and GRANIDUR 08 floors is based on the use of high-grade special soaps with supporting effect on the sealing of the pore structure. The sealing of the pore structure produces a water-repellent effect reducing the absorption of moist contamination. This cleaning concept includes the first maintenance for the basic treatment and the thereto following periodical routine cleaning.

For the first maintenance MKS® Glossprofi 1905 is used.

Depending on the surface structure, the product is applied pure or diluted with water 1 : 3 up to 1 : 5. It is recommended to arrange a test surface to determine the perfect dosage/proceeding. Preference should be given to mechanical maintenance instead of manual maintenance due to the better quality performance.

Mechanical maintenance

The solution is mixed in a bucket or similar container and applied uniformly in excess on the previously dust-free cleaned and dry floor using a rubber squeegee, a single-disc machine or wet cleaning machine (see hints [cleaning devices](#)) for uniform distribution. The solution is applied by operating the cleaning machine at least two times over the surface (cross wise proceeding) with a white polishing pad at low speed. Then excessive material is solved with water and removed using wet suction device or scrubbing-suction machine. Then the surface is cleaned with clear water.

Manual maintenance

The solution is applied uniformly and richly moist on the previously dust-free cleaned and dry floor using a short-pile mop. The mop shall be handled with strong pressure avoiding formation of puddles. Then give the applied film time to dry.

If due to too much material application a visible film on the surface after drying should show, this can be cleaned with water adding MKS® [basic cleaner acid-free](#). Slight films will wear off in the course of the routine cleaning.

A re-polishing after the first maintenance is not necessary. Immediately after the complete drying, the floor can be used. For the application please observe the technical product information and the material safety data sheet. Yield: approx. 50 – 80 sq.m /litre (concentrate).

Routine cleaning

For routine cleaning MKS® Glossprofi 1905 is applied with wet cleaning machine (see hints [cleaning devices](#)). Depending on the used equipment, in certain cases a foam block must be added.

When dosing according to the instructions there will be no coat formation on the floor.
A neutralization of the surface is not required.

DOSAGE

The dosage of MKS® Glossprofi 1905 is depending on the stress of the floor, the lime contents of the water and the volume of pores in the floor. The exact dosage is determined by considering the experience gathered from the initial phase. However, the herein indicated quantities represent well founded guiding values.

Daily cleaning with machine	: 500 – 1000 ml per 100 l water
daily cleaning manually	: 100 – 125 ml per 10 l water

The yield, depending on the dosage and the used cleaning machine acc. to experiences ranges at 1000 to 1500 sq.m. / litre MKS® Glossprofi 1905.

As MKS® Glossprofi 1905 does not contain any damaging complex-forming agents, it might be necessary in case of hard water to dose a bit higher. When using the product information sheet and the safety data sheet have to be observed. In case of very hard water and use of wet cleaning machines, the use of MKS® Wischpflege SP might be significant. Use and dosage acc. to technical product information.

In order to achieve a sealing of the pore structure, the exclusive use of MKS® Glossprofi 1905 is required. If tenside-containing cleaning detergents (see item [stain removal](#)) have been used before, the first maintenance must be repeated with reduced dosage.

Cleaning devices

KORODUR GRANIDUR 05 and GRANIDUR 08 floors qualify for a dense and easy to clean surface. The used cleaning equipment must be adapted to this surface:

[Disc cleaning machines](#) should be equipped with soft nylon pad (white) or a soft (polishing) brush (PP05). In case of more dirt a red nylon pad may be used.

[Machines with brush-rolls](#), due to the high point pressure, should only be used if the operating pressure can be reduced and very soft brushes (acc. to manufacturer's instructions) are used. Before using brush-roll machines check on a limited test area whether these qualify.

Stain removal

The following detergents are qualified for the stain removal on **KORODUR GRANIDUR 05 and GRANIDUR 08** floors:

MKS® Basic cleaner acid-free

Slightly alkaline basic cleaner with wide action range.
Removes reliably and fast general contamination as well as slight oil and grease contamination.
Free from aggressive solvents.

MKS® Basic cleaner FORTE

For the intensive basic cleaning of strongly contaminated floors and for the removal of spread oil and grease contamination. Free from aggressive solvents. Pre-tests at not exposed areas are required. After drying off, the surface must be checked for any changes.

MKS® Oil remover ÖLEX

Removes also stronger oil contamination. Pre-tests at not exposed areas are required. After drying off, the surface must be checked for any changes.

After use of this detergent, the treated surface must be neutralized. Afterwards another first maintenance is required. When using the basic cleaners, the product information sheets and the product safety data sheets have to be observed. A cleaning test is recommended.

For the removal of discolouring further types of detergents are available. The selection of such detergents should be adapted to the stain building substance.

After the use of cleaning detergents, such as **MKS® Basic cleaner FORTE** or **MKS® Oil remover ÖLEX** a checking of the previously applied oleo and hydrophobic impregnation with **MKS® THILOS thin liquid** becomes necessary (see chapter PROTECTION). In case it is necessary to renew the application of an impregnation, the floor, prior to this application, has to be neutralized by repeated cleaning with clear water.

After the use of the detergents the treated surface must be neutralized and a first maintenance be carried out.

IMPORTANT: Acidic and alkaline cleaning agents must not be used on cementitious floors! Before using cleaning agents which are not included in the cleaning instructions, their qualification should be checked with our house or the application technical division of KORODUR:

Product Index

packing sizes / article nos.

	packing unit	art. no.	packing unit	art.no.
MKS® THILOS thin liquid	5 l	304007	10 l	304008
	30 l	304009	200 l	304005
MKS® Glossprofi 1905	5 l	300115	200 l	300119
	1000 l returnable packaging on request			
MKS® Basic cleaner acid-free	10 l	3004004		
	30 l	3004005	200 l	3004001
MKS® Basic cleaner FORTE	10 l	304023		
	30 l	304024		
MKS® Oil remover ÖLEX	10 l	304028		
	30 l	304029	200 l	304025

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The above recommendations for application are based on our today's knowledge and experience and can be considered as advice only without obligation and contain no guarantee or a warranty of characteristics. It is recommended to adapt the use of our products to the given local conditions and to carry out preliminary tests on suitability. Safety data sheets, product information and hints to risk have to be observed. Containers always should be closed thoroughly. Please take any safety requirements from the safety data sheets.

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