



**KORODUR**

**Hard Aggregate Industrial Floors**

## MAINTENANCE HINTS

### Preamble

Proper regular cleaning and adequate protection will durably preserve the advantages of [KORODUR Industrial 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 wet 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 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!

**During to whole construction phase the surface has to be protected from oily, greasy or other colouring substances.**

Important measures for professional cleaning and maintenance:

### **END 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 TREATMENT 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.

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### 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 activity spectrum removes reliably and fast all sorts of contamination as well as slight oil and grease contamination. Free from aggressive solvents. Carry out the basic cleaning at the earliest 10 days after the installation of the floor.

For the use of the basic cleaner observe the product information and safety data sheet. Yield: approx. 40 – 80 sq. m. / litre.

After basic cleaning neutralize the treated surface by rinsing it off with clear water.

### Protection (impregnation)

optional

#### Oil and stain protection

If during regular use the floor is subjected to oily, greasy or other liquid contamination stress, it is recommended to apply a water and oil repellent impregnation. The oleo and hydrophobic treatment will not provide the guarantee that liquids, greases or oils in contact with KORODUR hard aggregate industrial floors will not cause stains. However, protected surfaces will delay and impede the penetration of stain causing substances. On protected surfaces, stain causing substances Stains on floors with oleo and hydrophobic treatment usually are easy to remove. The impregnation will penetrate only into the topmost, superficial pores and will be impeded from deeper penetration.

Surfaces with oleo and hydrophobic protection are usually easy to clean.

The impregnation is applied after the final cleaning of the construction site and before the first maintenance treatment. Apply MKS® THILOS thin liquid acc. to the product information, saturated and uniformly, avoiding the formation of puddles. As soon as 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.

After the impregnation, wait for 48 hours before starting the first maintenance treatment of the KORODUR hard aggregate industrial floor. After the impregnation, the floor must not be covered steam-tight for a period of minimum 7 days. Use acc. to product information and safety data sheet. Yield: approx. 10 – 15 sq. m. / litre.

Don't use at floor temperature < 7° C (room temperature < 5° C) only on uniformly dried floor surface.

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### First maintenance

The cleaning concept for KORODUR hard aggregate industrial 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.

For the first maintenance **MKS® Glossprofi 1905** is used.

Depending on the surface, 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 first treatment**

The solution is mixed in a bucket or similar container and applied uniformly in excess on the previously dust-free cleaned and dry flooring section using a rubber squeegee, a single-disc machine or wet cleaning machine (see hints cleaning devices). The solution is applied by operating the cleaning machine at least two times over the surface (cross wise proceeding) with a 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 first treatment**

The solution is applied uniformly and richly on the previously dust-free cleaned and dry floor using a short-pile mop. Handle the mop with pressure avoiding formation of puddles. Then allow the applied film to dry.

Slight film occurrence will wear off in the course of routine cleaning. Polishing after the first maintenance treatment could be done but is not necessary.

Once the floor has completely dried off, it is ready for use.

For the application please observe the technical product information and the material safety data sheet. Yield: approx. 50 – 80 sq. m. /litre.

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### Routine cleaning

For routine cleaning **MKS® Wischpflege SP** is used either manually or with wet cleaning machine (see hints *cleaning devices*).

A neutralization of the surface is not required. Allow the moist film to dry off.

#### DOSAGE

The dosage of **MKS® Wischpflege SP** is depending on the stress of 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	: 250 – 500 ml per 100 l water
daily cleaning manually	: 50 – 100 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® Wischpflege SP**.

If tenside-containing cleaning detergents (see item *stain removal*) have been used before, the first maintenance treatment must be repeated with reduced dosage. The product information sheet and the safety data sheet have to be observed.

### Cleaning equipment

KORODUR hard aggregate industrial 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 red) or a soft brush (acc. to manufacturer's instructions). In case of stronger soiling a blue nylon pad may be used.

Before using brush-roll machines check in a test phase on a limited area whether these are suitable.

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### Stain removal

The following detergents are qualified for the stain removal on KORODUR hard aggregate industrial floors:

#### **MKS® Basic cleaner acid-free**

Slightly alkaline basic cleaner with broad activity spectrum. 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 soiled 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, check surface for any changes.

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

After use of cleaning detergents, such as e.g. **MKS® Basic cleaner FORTE**, a checking of a previously applied oleo or hydrophobic impregnation with **MKS® THILOS thin liquid** (see chapter PROTECTION) becomes necessary.

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 treatment 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 these cleaning instructions, their qualification should be checked with our house or the application engineering division of KORODUR.

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### Product Index

### packing sizes / article nos.

	packing unit	art. no.	packing unit	art.no.
<b>MKS® THILOS thin liquid</b>	5 l	304007	10 l	304008
	30 l	304009	200 l	304005
<b>MKS® Glossprofi 1905</b>	5 l	300115	200 l	300119
	1000 l returnable packaging on request			
<b>MKS® Wischpflege SP</b>	10 l	3004088	200 l	3004090
	30 l	3004089		
<b>MKS® Basic cleaner acid-free</b>	10 l	3004004	200 l	3004001
	30 l	3004005		
<b>MKS® Basic cleaner FORTE</b>	10 l	304023		
	30 l	304024		

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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.