

## CLEANING – CARE – PROTECTION

### Preventive measures

Clean walk-off zones in the entrance way contributes considerably to the preservation of value of the stone surface. This area should be dimensioned sufficiently so that the OBJECT STONE material is not scratched by sand particles being carried into the premises on the soles of shoes and contains increased slip and fall hazards caused by the wet filth particularly in the winter months. During the construction phase the floor is to be protected against mechanical and chemical overloading through suitable coverings.

### Basic Construction Cleaning/First Cleaning

The construction end cleaning occurs in the form of a dry cleaning for the removal of debris, loose dirt, coating residues etc. through sweeping and/or vacuuming.

In order to guarantee the material properties as also the value, the following cleaning applications are to be followed:

Type of surface	Rutschhemmung DIN 51130:2004-6	Protection	Cleaning procedure / method
Polished	–	not necessary	One-step maintenance cleaning evt. intense intermediate cleaning/basic cleaning
Satin mat honed	R9	not necessary	Two-step maintenance cleaning evt. intense intermediate cleaning/basic cleaning
Fine hammered	R9	First cleaning	Two-step maintenance cleaning evt. intense intermediate cleaning/basic cleaning
Honed	R10	First cleaning	Two-step maintenance cleaning evt. intense intermediate cleaning/basic cleaning
Structured	R11	First cleaning	Two-step maintenance cleaning evt. intense intermediate cleaning/basic cleaning
Fine sandblasted	R12	Impregnation	Two-step maintenance cleaning, basic cleaning/impregnation

On completion of Installation a basic cleaning should always to be performed.

The frequency and/or regularity of the maintenance- or intermediate cleaning are dependent on the surface selection and the degree of pollution of the coatings.

### Cleaning procedure / method

#### Basic cleaning / Intensive intermediate cleaning:

By exceptionally strong pollution of the surface, a basic cleaning can only be carried at the earliest 48 hours after installation and complete setting of the grouting materials. Respectively any eventual cement film layer from the grouting materials should be removed immediately after the grouting process and by the final grout wash and cleaning. Construction dirt, dirt crusts and light cement films are removed by addition of an alkaline basic detergent to the wipe water diluted in accordance with the instructions of the manufacturer and wiped up using a 2 stage wet wipe procedure. After a period of soaking in and treatment time of 10-15 minutes the dissolved filth mud is removed using a vacuum cleaner or per mop respectively the surface is repeatedly rinsed with clear water so that no residue of cleaning liquids or impregnators remains on the surface. Red micro-fibre pads and/or brushes should be used on single disk machines. As soon as layers of built-up residue can not be removed by the maintenance cleaning, an intense, manual or mechanical intermediate cleaning should occur. The selection of the detergents to be used depends on the degree of pollution and on the type of the residue.

#### First Maintenance:

After the basic cleaning, honed and structured surfaces should be maintained using a suitable wipe care.

**One-step maintenance cleaning:**

In the event of limited dirt appearance: bind the dust by moist wiping with maintenance cleaner.

Manual maintenance: good cleaning results are achieved by two-step wiping (2-mop-system and double bucket system) or good results can be achieved with a one-step cleaning procedure using suitable micro-fibre covers and appropriate maintenance cleaner.

Mechanical: automatic scrubber is suitable for large surfaces and should use single pad, red micro-fibre pads and/or soft brushes.

**Two-step maintenance cleaning:**

High dirt appearance: a surface with hardened dust and dirt should be cleaned with a maintenance cleaner and then removal of dirty water using a mop or a vacuum cleaner.

Manual maintenance: good cleaning results are achieved by two-step wiping (2-mop-system and double bucket system) or good results can be achieved with a one-step cleaning procedure using suitable micro-fibre covers and appropriate maintenance cleaner.

Mechanical: automatic scrubber is suitable for large surfaces and should use single pad, red micro-fibre pads and/or soft brushes.

**Impregnation:**

Sand-blasted surfaces are to be protected with a suitable oil, spot, and water-repelling impregnation.

Before begin of the cleaning process the suitability of the cleaning products to be used is to be checked. Attention should be paid to the respective information provided by the manufacturer.

The contents of this cleaning recommendation are based on our long-standing experience and consider the present state of cleaning technique, provided that it was known to us at the moment of preparing this recommendation. On an individual basis no liability can be accepted for completeness, correctness and applicability. The instructions of the cleaning & care products manufacturer is to be duly observed.