

The ecological alternative



## Industrial Flooring Systems

Environmentally friendly and highly durable



**Industrial floor**

[www.malekigmbh.com](http://www.malekigmbh.com)



# The ecological alternative for cement and epoxides

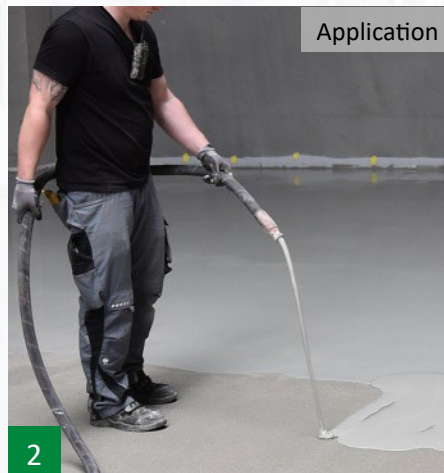
## Industrial Flooring Systems

Self-leveling and environmentally friendly

As a specialist in the development of self-leveling industrial flooring systems, the Maleki GmbH has succeeded in Germany to develop a high quality inorganic binder which can be used as an epoxy resin or cement replacement. The material solves long-term problems at building site where conventional products often fail. The Maleki products are environmentally friendly and based on harmless, VOC-free and non-labeled secondary raw materials.

All products have a variety of excellent properties and offer solutions for a variety of applications:

- Compressive strength  $> 50 \text{ N/mm}^2$
- Flexural strength  $> 12 \text{ N/mm}^2$
- Long workability time
- Permanently UV-resistant
- Low tension
- Possible layer thickness: 2—50 mm
- High abrasion resistance
- Salt water resistant



Your vision — Our innovation



## Industrial Flooring Systems

Two products with outstanding properties



### Maleki-IFS 400

Standard Industrial Floor System

Self-leveling industrial floor of strength class C50-F10-A9 in accordance with DIN EN 13813. Hardens fast and with low tension with a layer thickness of 2 – 50 mm.

#### Properties

- Very low emission EMICODE EC 1<sup>PLUS</sup>
- Fulfills the requirements for discharge capability according to DIN EN 61340-5-1
- High abrasion resistance



### Maleki-IFS 500

Special Industrial Floor System

Self-leveling industrial floor for high chemical and thermal load. Class C50-F10-A12 according to DIN EN 13813. Hardens fast and with low tension with a layer thickness of 2 – 50 mm.

#### Additional properties to those of Maleki-IFS 400

- Waterproof up to 2.5 bar
- High chemical resistance (pH 3–14)
- Temperature resistant up to 700°C



# The ecological alternative

## Basic floors

The low-cost alternative for light loads



### Maleki-BV 310

Standard leveling mortar

Easy-to-use, self-leveling floor coating of strength class C35-F7-A22 in accordance with DIN EN 13813. Hardens fast and with low tension with a layer thickness of 2 – 50 mm.

### Properties

- Very low emission EMICODE EC 1<sup>PLUS</sup>
- Fast-curing and low tension
- High flowability





## Impregnations

### Basic protection with liquid silicates

#### Maleki-DW 100

Silicate based densifier

Innovative silicate densifier. Protects against penetrating moisture and chemical stress.



##### Properties

- Very low emission EMICODE EC 1<sup>PLUS</sup>
- Water vapor permeable
- Solidifies the substrate and increases the chemical resistance
- Reduces surface abrasion



#### Maleki-LL 100

Silicate impregnation

Innovative silicate impregnation and subsoil consolidation. Protects against penetrating moisture in masonry and concrete.



##### Properties

- Very low emission EMICODE EC 1<sup>PLUS</sup>
- Water vapor permeable
- For waterproofing against harmful liquids





# The ecological alternative

## Sealing

Full protection for your surface



### Maleki-VS 930

Two-component industrial flooring sealant

Abrasion resistant sealant for industrial floors with high surface strength. Increases the chemical resistance of the substrate.

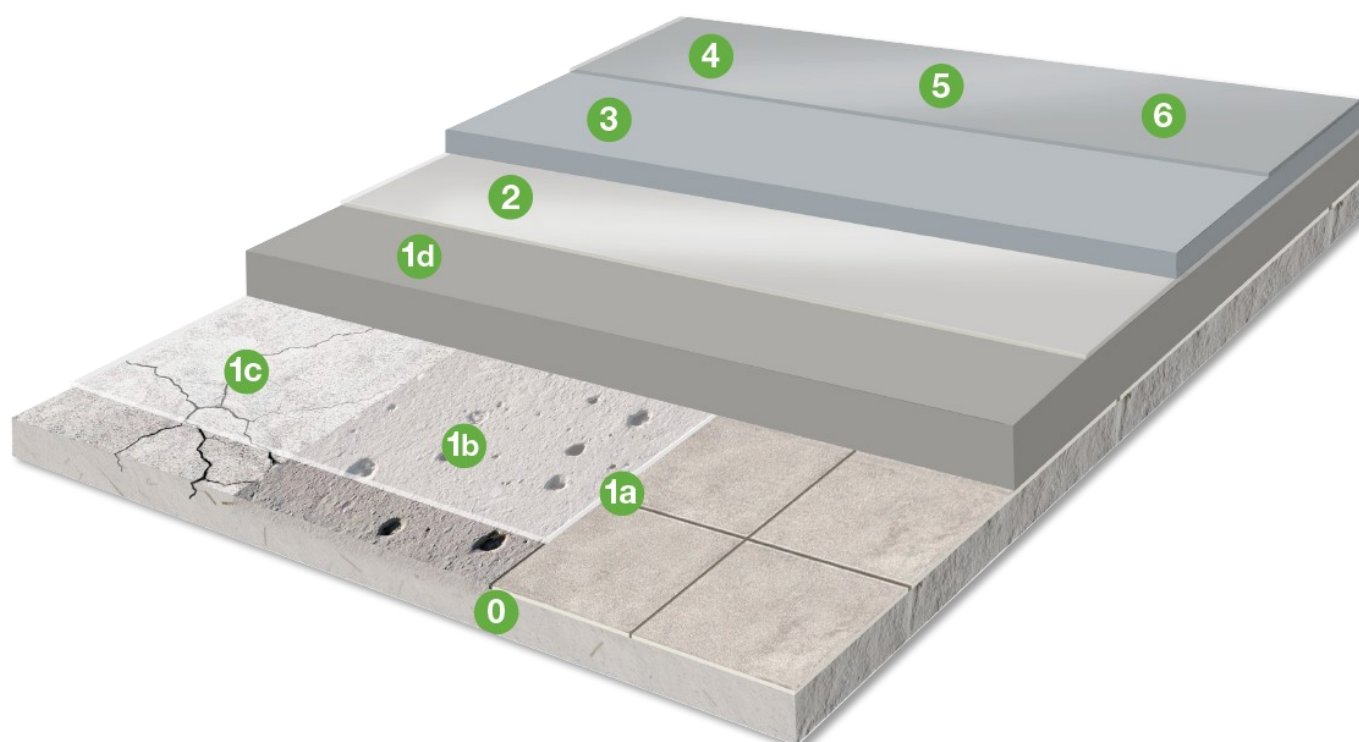
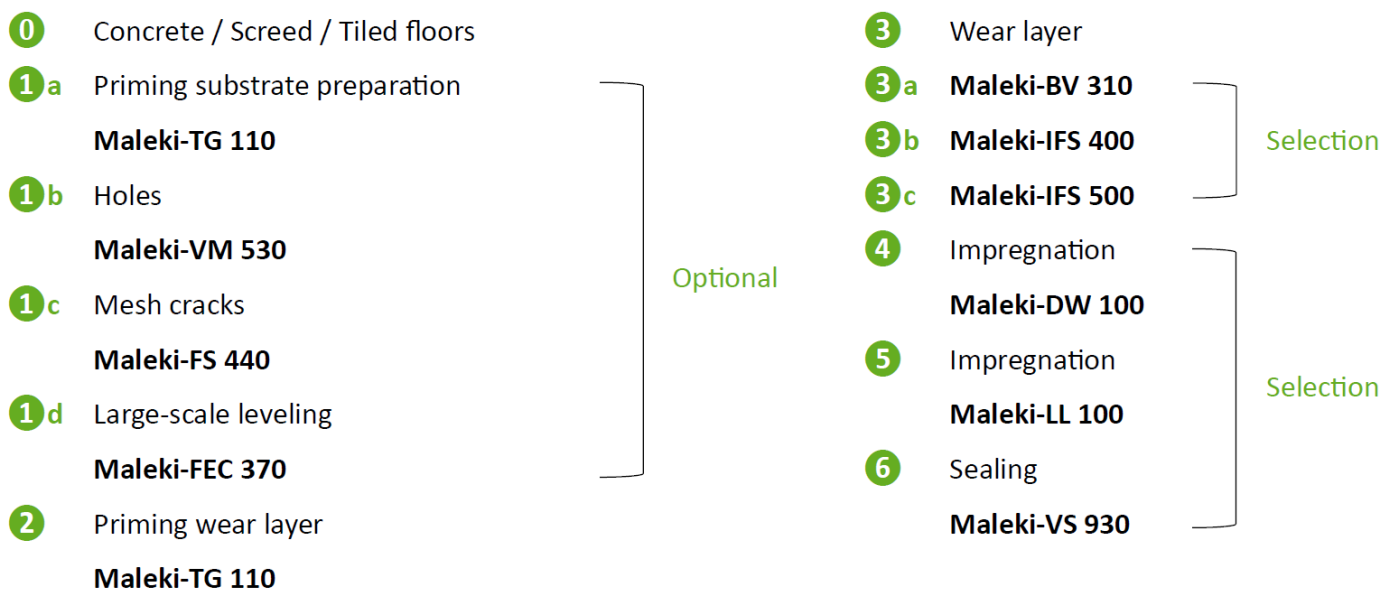
#### Eigenschaften

- Water vapor permeable
- Prevents from penetrating liquids and dirt
- Increases the chemical and acid resistance of the substrate



## System description — Industrial floor

### Systematic installation





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## Additional products — Industrial floor

Everything from a single source

- **Maleki-TG 110**  
Primer
- **Maleki-FEC 370**  
Flowing screed
- **Maleki-FS 440**  
Flexible floor mortar
- **Maleki-VM 530**  
All-round pouring mortar



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