

# ECO-Binder



**Maleki®-DS 250 Flex**  
| Flexible 2K - waterproofing

# Technology



| Innovative solutions for sustainable construction

Maleki®-DS 250 Flex (Flexible Waterproofing) is a two-component hybrid waterproofing system:

## **1. Powder component**

The powder component is based on the chemical and mechanical resistant “ECO-Binder” system developed by Maleki GmbH, which replace portland cement. The used and special activated raw materials solidify similar to Portland cement by forming resistant calcium silicate hydrate phases without releasing the unstable and solvable calcium hydroxide.

## **2. Liquid component**

The liquid component creates an elastic and netlike membrane and consists of one of the most recent and sustainable polymers.

The parallel reaction of both components creates a flexible and permanent waterproofing which is low on ammonia and APEO- / VOC - free.

## **Application**

Maleki®-DS 250 Flex can be used as protection against positive / negative water pressure and surface protection against acids and abrasive corrosion of building structures and tanks.

- Pipelines and tubes
- Drinking water tanks
- Well systems
- Lab areas
- Sewage water treatment plants
- Salt water areas



# Maleki®-DS 250 Flex

## | Flexible 2K waterproofing



Maleki® DS 250 Flex can be used as sealing of building structures against soil humidity, leak water and water pressure (30 m water column). Furthermore the waterproofing can be used as a surface protection against acids and abrasion effects of concrete elements, pipelines, EPS and mineral based brickwork.

### Outstanding features:

- Enhanced resistance to acids and aggressive media (salts and chemicals)
- Especially resistant to sulfates
- Extremely adhesive bonding to the substrate
- Suitable for use on damp surfaces
- Water vapour permeable
- Can be reworked after 6 hours
- APEO- and VOC-free

### Additional features:

- Ecological alternative to epoxy products
- Impermeable to water pressure up to 3 bar
- Crack and shrinkage-free curing
- Crack bridging up to 1,3 mm
- Age-, frost- and UV-resistant (weathering resistant)
- Ready for tiling after short time
- Environmentally friendly due to the innovative binding agent system
- Fast and easy processing



Protection of digester



Manual application



Application with a layer thickness of 1-3 mm

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## Contact

If you have any questions about Maleki®-DS 250 Flex or are you searching for innovative solutions for your company in terms of product development, please do not hesitate to contact us.

We are looking forward to help you by creating an offer for your customers which includes a high technology solution for their building projects.



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