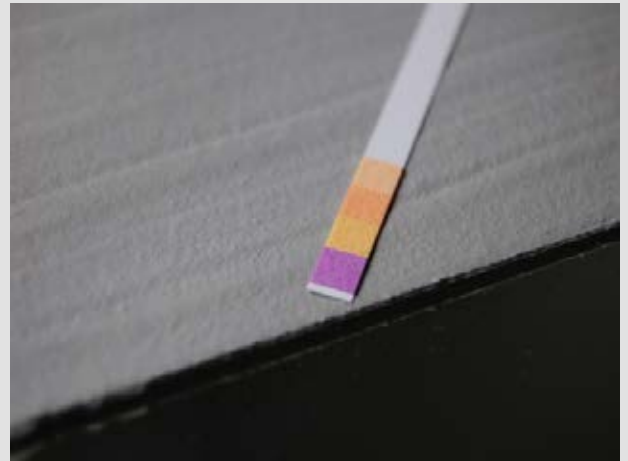


# Silicate Technology



**Maleki®-TPC 200**  
| Silicate acid protection

# Silicate Technology

| Innovative solutions for sustainable construction

Silicates are an extremely durable and resistant material. The Silicate Technology leverages the superior characteristics of silicates for use in industry. The unique one-component and mineral binder system penetrates deep into the substrate and reacts with the constituents of cement to form a strong, highly adhesive silicate structure. It provides an outstanding chemical resistance and permanent protection against water penetration and pollutants. Above all, the silicate binder system is environmentally friendly and VOC-free. No special precaution is required during application. Therefore silicate products are excellently positioned to replace pollutive multi-component epoxy products.

**No other material has such outstanding properties!**

## Applications

Maleki®-TPC 200 may be used to protect alkaline mineral-based substrates against corrosion and acid. Suitable substrates include:

- Industrial/agricultural facilities
- Pipelines
- Breweries and dairies
- Areas exposed to aggressive chemicals
- Waste water channels



# Maleki®-TPC 200

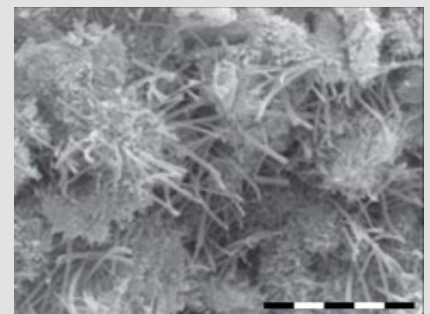
## | Silicate acid protection



Maleki®-TPC 200 is a silicate waterproofing product with extreme chemical resistance. It is formulated to work well in highly acidic environments, and increases the abrasion resistance of the surface. Maleki®-TPC 200 can be mixed and applied by hand or with a machine, up to a total maximum thickness of 20 mm.

### Outstanding features:

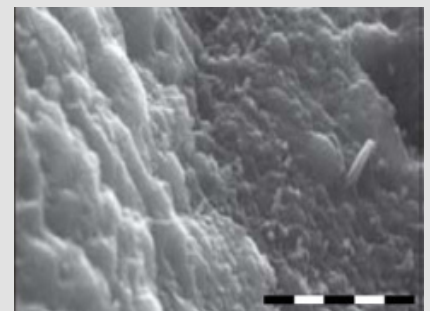
- High chemical resistance in line with DIN EN 12808-1
- Highly abrasion resistant
- 5 bar water resistance
- Extremely adhesive bond to the substrate
- mineral
- Fireproof up to 1350 °C without cracking
- environmentally friendly



Typical cement matrix (23 µm) \*

### Additional features:

- Ecological alternative to epoxy products
- No efflorescence
- Protection against carbonation
- Allows diffusion of water vapor
- Crack and shrinkage-free curing
- Solvent and VOC-free
- Fast and easy processing



Silicate matrix (7 µm)

### Certificates:

- Chemical resistance
- Fire resistance
- Water penetration



Maleki®-TPC 200 on glass

# Maleki®-TPC 200

## | Silicate acid protection

### Application Summary

Clean the substrate of loose particles and dirt before administering this product. Apply in two stages with a layer thickness of maximum 20 mm. Ensure that all pores in the substrate have been covered. For the complete procedure, please refer to the technical data sheet available at [www.malekigmbh.com](http://www.malekigmbh.com).

### Properties:

- Extremely high acid resistance
- Highly abrasion resistant
- Fireproof up to 1350°C
- 100% mineral
- Environmentally friendly



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