

# Protectosil® Hydrophobizing Agents for Concrete



Protectosil® silanes significantly prolong the service life of concrete leading to large savings in maintenance costs and resources.

**Evonik Silanes – Performance beyond expectations**

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**Protectosil®**

## Basic product recommendation

 EN 1504-2 approved	Protectosil® grade	Typical area of application			Properties		
		New bridges and parking decks	Against alkali-silica reaction	Primer under topcoats	Active content	Appearance	Application
Pure silane systems	BHN	✓	✓	✓	> 98%	Colorless	Ready-to-use
Water based	WS 410*	✓		✓	50%	Milky-white	Dilutable
Water based (paste)	WS 770 P*	✓			70%	Milky-white	Ready-to-use

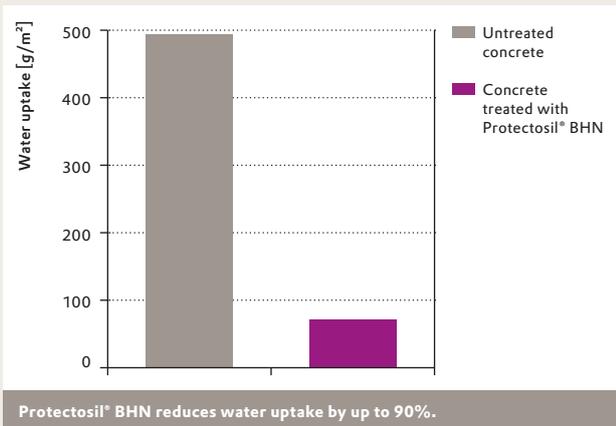
\*APEO-free

## Key benefits

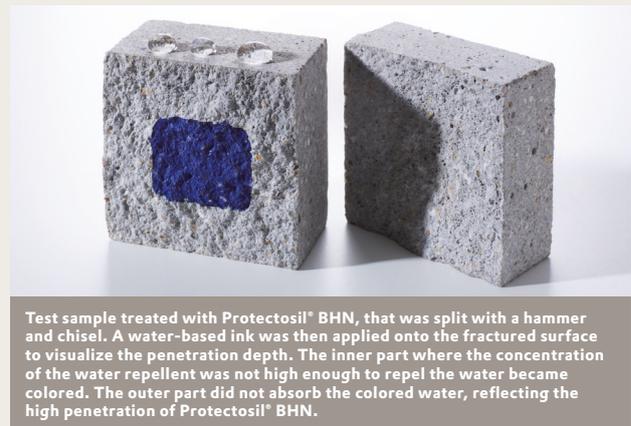
- Strong chemical bonding leading to long-lasting protection
- Deep penetration leading to stability against UV-radiation and mechanical wear
- Preservation of water vapor permeability
- No changes in the appearance of the substrate
- No impact on the adhesion of subsequent coatings

## Performance data

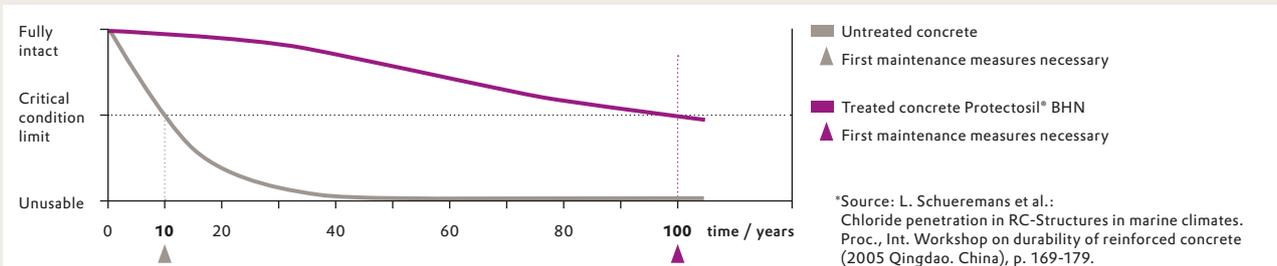
### Reduction of water uptake



### Penetration depth



### Prolonged service life



Independent studies\* prove:

**Silanes extend the service life of bridges by several decades.**

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