

**Protectosil® BHN PLUS -
Hydrophobizing impregnation
with excellent water-, oil- and
stain repellent properties**



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Innovation in silane research

Deep penetration and stain resistance in one application step

Product features

Protectosil® BHN PLUS ...

leads to a hydrophobizing impregnation with excellent water-, oil- and stain repellent properties

is used for hydrophobation and creation of easy-to-clean surfaces

creates invisible and fully water vapour permeable impregnations

is a ready-to-use silane

is soluble in most organic solvents



Protectosil® BHN PLUS at a glance

Hydrophobizing impregnation with excellent water-, oil- and stain-repellent properties for concrete, pavers, brick and natural stones

Product description

- clear, colorless to slightly cloudy liquid
- density (20°C): 0,885 – 0,910 g/cm³
- flash point >40°C
- low volatility
- >94% active content

Properties

- excellent resistance to automotive fluids
- excellent repellency of food products
- reduces staining
- excellent resistance to chloride ion ingress
- breathable system
- mitigation of ASR deterioration
- deep penetration into substrate
- no change in surface appearance
- high resistance to alkali attack
- long service life

Excellent beading effect and deep penetration



Protectosil® BHN PLUS at a glance

Application fields	<ul style="list-style-type: none">• concrete• concrete masonry• clinker masonry• natural stones• pavers
Application	<ul style="list-style-type: none">• applied by airless spraying
Consumption	<ul style="list-style-type: none">• 150 g/m² at least
Storage/ Packaging	<ul style="list-style-type: none">• storage stability: 12 months• packaging: 25 l and 200 l


Easy application



Protectosil® BHN PLUS

Customer benefits

- ! Excellent resistance to staining
- ! Breathable system
- ! Mitigation of ASR deterioration
- ! Deep penetration into substrate
- ! Long service life



Coke

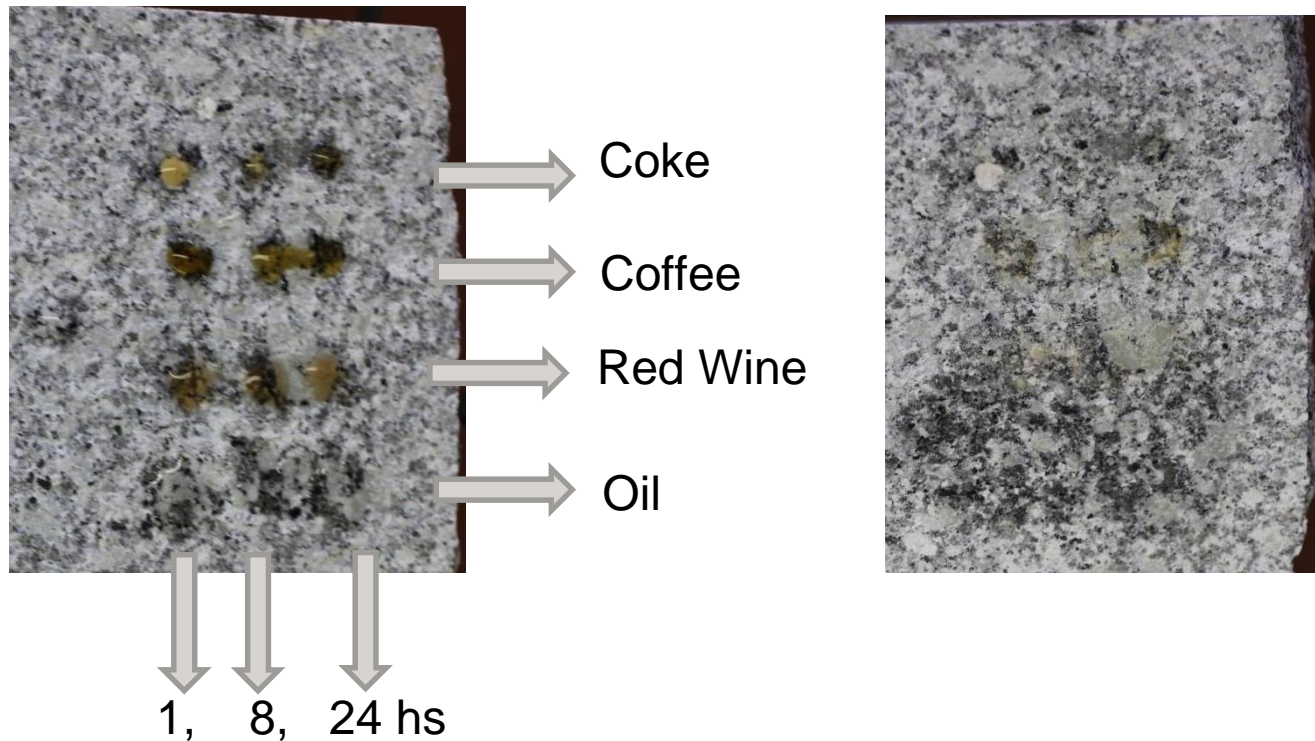
Coffee

Red Wine

Oil

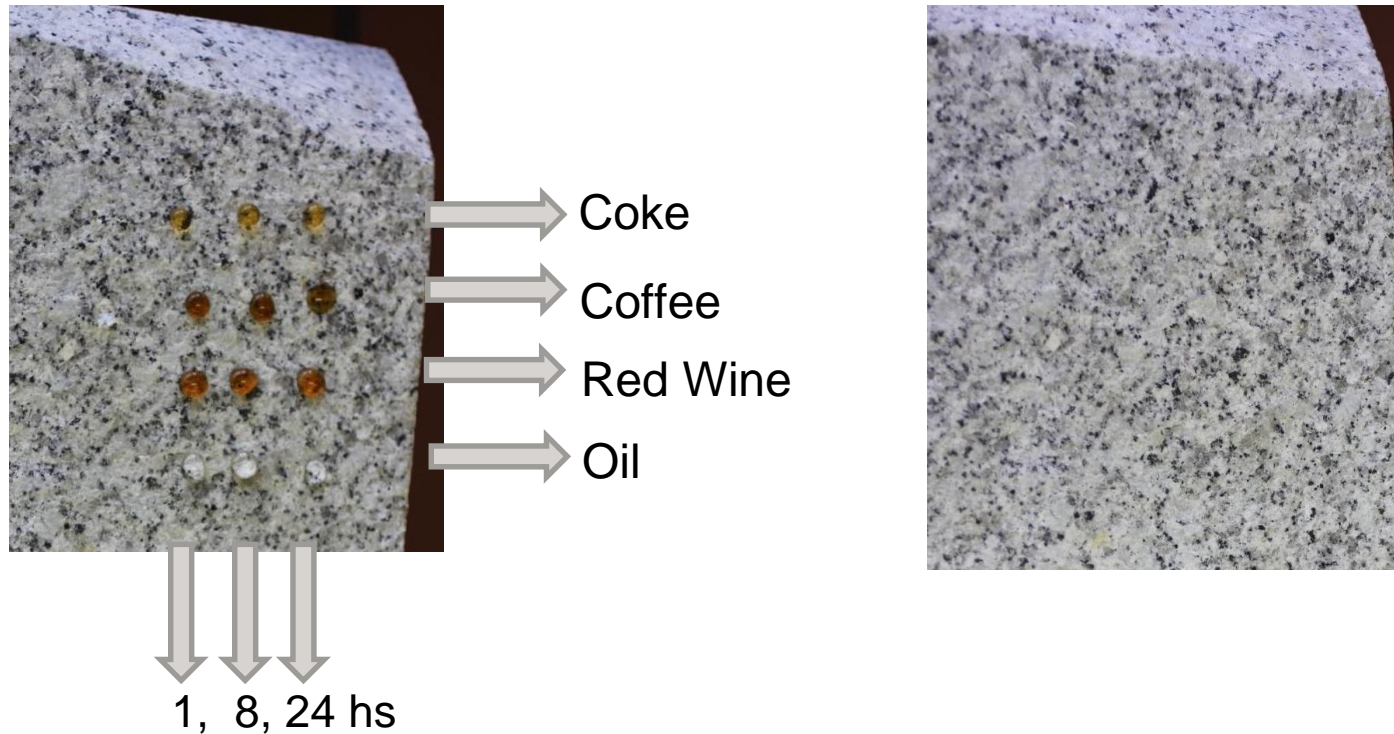
Water

Comparison staining test Protectosil® BHN PLUS and unprotected sample



Staining test on **unprotected sample** after 24 hs

Comparison staining test Protectosil® BHN PLUS and protected sample



Protectosil® BHN PLUS performance on granite; staining test after 24 hs

Protectosil® BHN PLUS

Scope of applications



Protectosil® BHN PLUS can be used...

- to allow easier **cleanup** and reduce **staining** of the substrate due to the absorption of various oil and water based contaminants
- to reduce growth of microorganisms such as mold and algae on protected mineral surfaces

Suitable substrates:

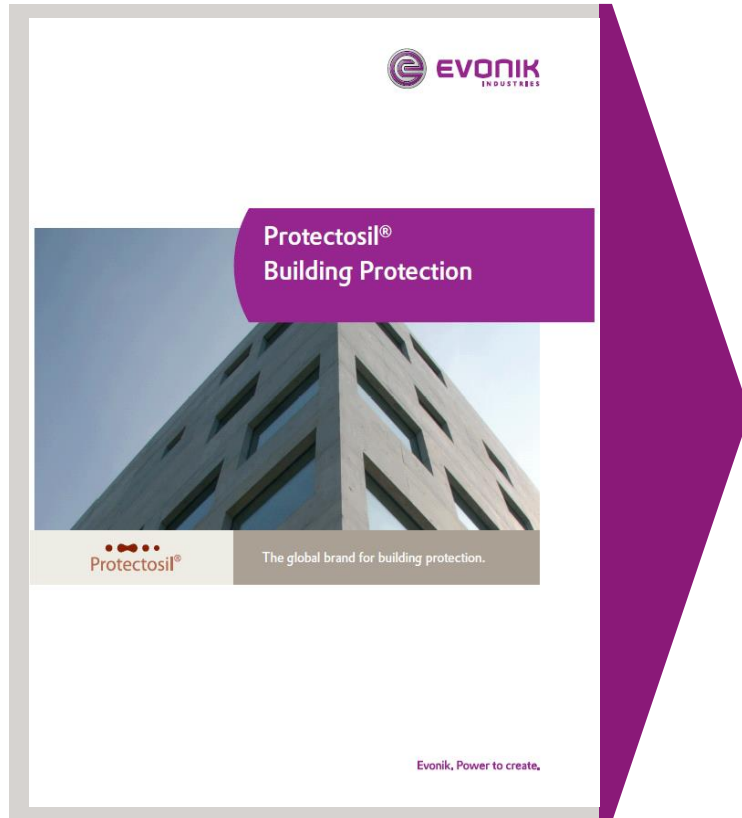
- pavers
- concrete
- brick
- natural stone
- granite

Protectosil® BHN PLUS has already been used successfully in many projects



**Time Square NYC– 2013
New York, NY**

Protectosil® Product Range brochure



Questions? Contact us @

More information:
www.protectosil.com

Please keep in mind ...



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