



Effective property protection is called Rex or Rocky.

Or Protectosil® if it is sustainable.

**Evonik makes life better  
day in, day out.**

To make that happen,  
we go beyond

# CHEMISTRY



## Division Smart Materials

We find solutions for  
the needs of today and  
tomorrow.



# Smart Materials

## Six business lines with a strong portfolio

### Inorganic Materials

#### ACTIVE OXYGENS



#### CATALYSTS



### Hightech Polymers

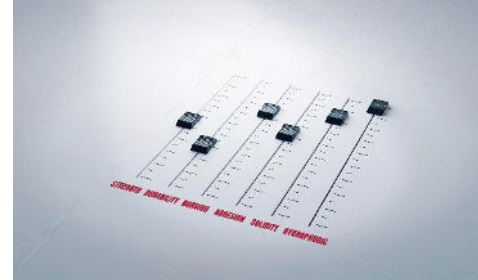
#### COATING & ADHESIVE RESINS



#### SILICA



#### SILANES



#### HIGH PERFORMANCE POLYMERS



**OUR planet  
without  
EVONIK Silane products**

**TIRES**

**AUTOMOTIVE COATINGS**

**BUILDINGS**

**INTERNET**

**MICROCHIPS**

**OUR planet  
with  
EVONIK Silane products**

Fuel saving of

**TIRES**

Scratch resistance of

**AUTOMOTIVE COATINGS**

Long lasting  
protection of

**BUILDINGS**

High speed

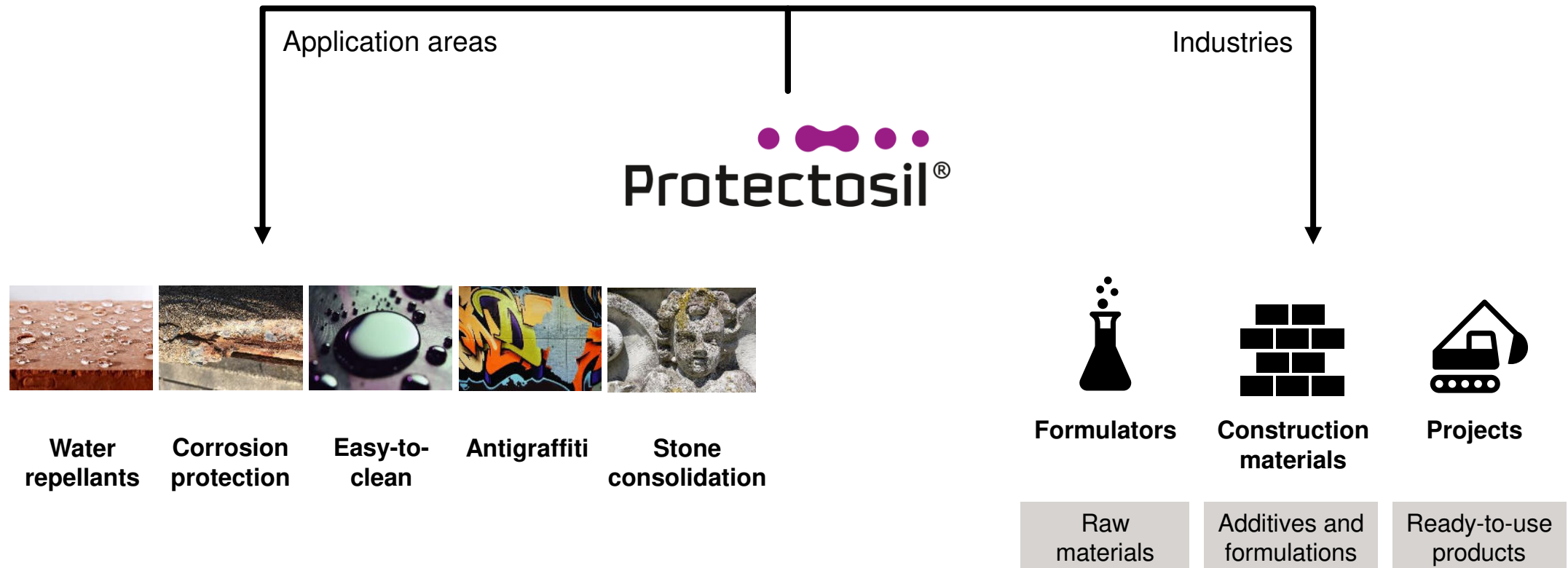
**INTERNET**

High performance

**MICROCHIPS**

# Protectosil® – Application areas and industries

Our Protectosil® products offer tailor-made building protection solutions, regardless of application area or industry





# Evonik's customers trust in Protectosil® worldwide



**Sydney Opera House**  
Sydney,  
Australia



**Hangzhou Bay Bridge**  
Zhejiang  
province, China



**Subway-Station  
WTC Cordtland  
Street**  
New York, NY,  
USA

**Port of  
Zeebrugge**  
Zeebrugge,  
Belgium



**Hayward Field**  
Eugene, OR,  
USA



**Lotus Temple**  
Delhi,  
India



**Beylerbeyi  
Palace**  
Istanbul,  
Turkey



**Storms River  
Bridge**  
Kou-Kamma,  
South Africa



**Princeton  
University**  
Princeton, NJ,  
USA

# Protectosil® for fiber cement boards...

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## Problem

Fiber cement boards are very susceptible to damages caused by water and UV light (e.g. efflorescence, discoloration, delamination).



## Offering

Fiber cement boards become more resistant, durable and stay optically unchanged.



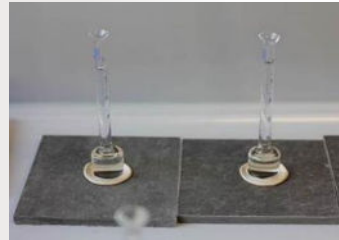
## Experience

Protectosil® brand offers several tailor-made solutions for the fiber cement board industry.

# Our performance!

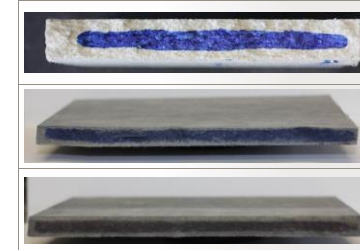
## Reduction of water uptake

Protectosil® products are able to reduce the water uptake of fiber cement boards up to 90 %



## Penetration depth

Protectosil® offers a penetration depth from >1 mm to full penetration, depending on board type, product choice and consumption rate



## Key benefits of Protectosil®

## Efflorescence control

Protectosil® effectively protects fiber cement boards from efflorescence



## Prevention of discoloration

Protectosil® prevents discoloration of fiber cement boards over time



# Our proposition to the customer: Performance beyond expectations.

## WHAT WE PROPOSE:

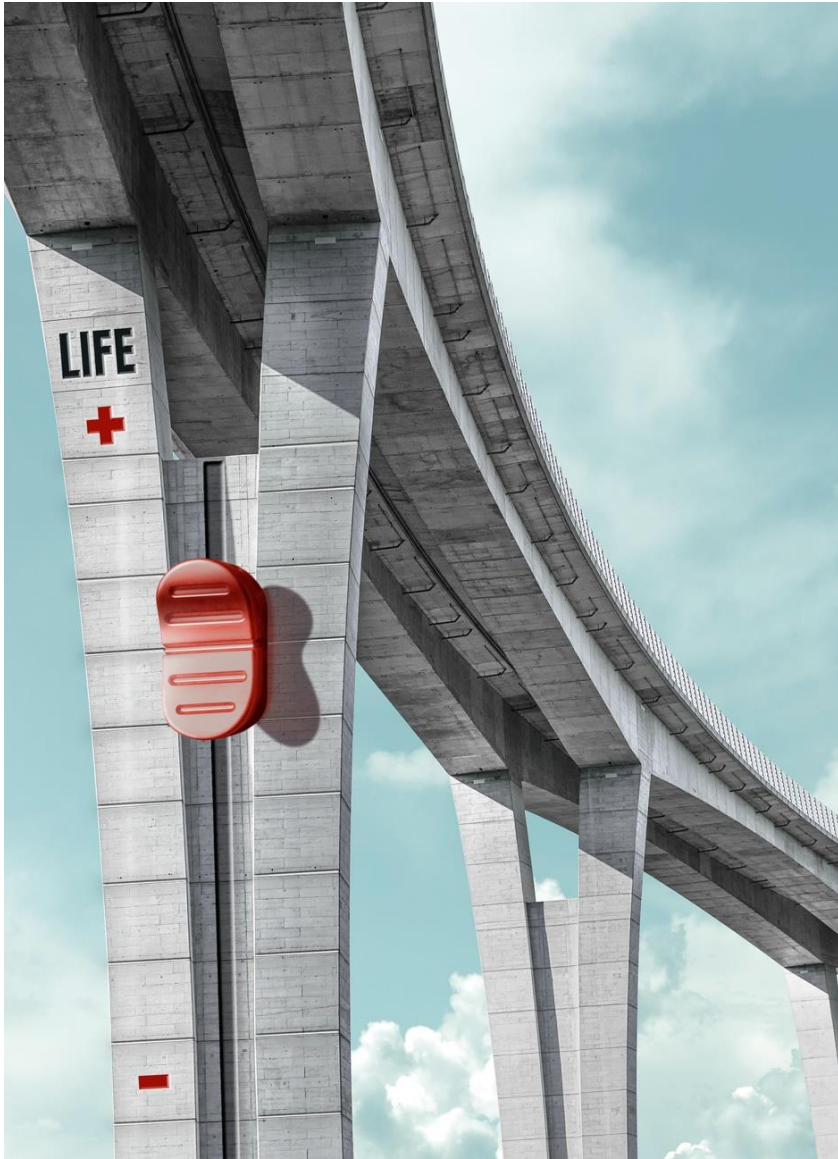
**Don't meet expectations –  
beat expectations.**

**Boost your performance  
with Evonik Silanes.**

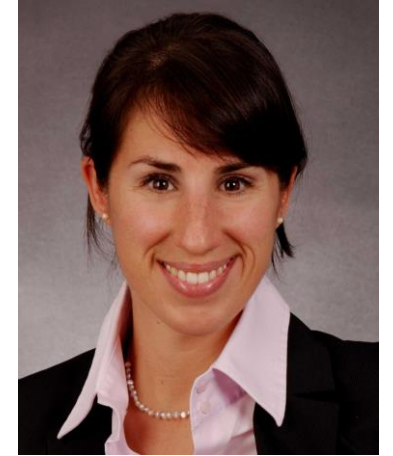
## WHAT YOU CAN EXPECT:

- **Quality and reliability:**  
We want to exceed your expectations. Always.
- **Expertise and innovation power:**  
As masters of silicon chemistry, we can create surprising effects.
- **Speed and can-do attitude:**  
We increase your (product's) performance.
- **Customer intimacy:**  
Our customers are at the core of everything we do.
- **Cooperation and trust:**  
We perceive our customers, suppliers and other players along the value chain as partners on eye level.





## Your contacts for further information:



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[www.protectosil.com/en](http://www.protectosil.com/en)





**EVONIK**

**Leading Beyond Chemistry**