



CONSTRUCTION MATERIALS AND DECORATIVE COATINGS

SILRES® BS – THE DURABLE SOLUTION

for Anti-Stain, Color Enhancing Effects and Anti-Graffiti



Natural and artificial stone have a special appeal as construction materials due to their unique visual and tactile quality. But, at the same time, they are especially susceptible to staining or weathering. If untreated, the material absorbs water, oil or other liquids within a short time, causing irreversible stains or other damage. This can be prevented by treating the surfaces with SILRES® BS.

SILRES® BS – HIGHLY DURABLE PROTECTION

Exploiting capillary action to penetrate into the pores, SILRES® BS is deposited on the pore walls. These siliconized pores inhibit any further capillary effect without impairing water-vapor permeability.

Silicone resin coatings are also extremely durable even if they remain partly on the surface but react chemically with the substrate and are not easily washed or wiped off.

Durable Protection for Many Surfaces



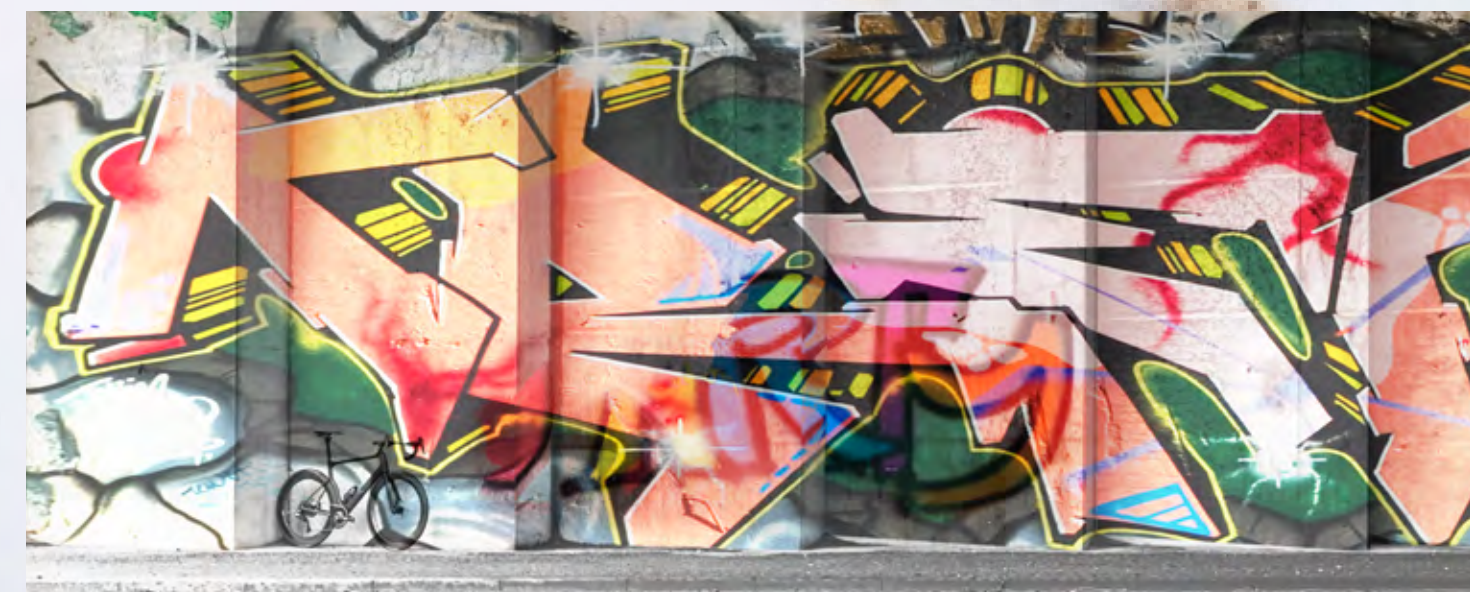
Anti-Stain – Easy to clean

- Clear top coat with easy-to-clean properties
- No change of surface appearance



Color Enhancement

- Color enhancing clear top coat
- Surface with easy to clean properties



Anti-Graffiti

- Clear top coat for permanent protection

ANTI-STAIN, EASY-TO-CLEAN STAINS HAPPEN – BUT PREVENTION IS SIMPLE

SILRES® BS provides easy-to-clean protection against water, oil or dirt without changing the surface appearance. In contrast to treatment with film-forming coatings, it does not affect vapor permeability. The substrate stays “breathable” and keeps its natural touch.

For easy-to-clean protective coatings that leave the surface unchanged, we offer two proven solutions: SILRES® BS 38 N – a solvent-based yet tin-free mixture – and SILRES® BS 39 N – a water-based formulation.

Oil and Water Repellents

Benefits

- High oil, soil and water repellency
- Highly durable effectiveness
- Maintains natural look
- No tacky finish
- No surface sealing

Application Areas

High and low porous mineral surfaces on:

- Table tops
- Window sills
- Kitchen worktops
- Interior walls
- Floors
- Facades



Example for Easy to Clean Protection



COLOR ENHANCEMENT THE TWO-IN-ONE SOLUTION FOR LASTING BEAUTY

SILRES® BS can be more than just a protective coating: it can even enhance surfaces. The natural surface colors come out brighter and deeper, with gloss or matt effects.

For additional surface-enhancing effects, we recommend SILRES® BS 30, a 100% silane/siloxane mixture.

Surface Treatment

Examples of surface-enhancing effect with SILRES® BS 30.

Benefits

- Improved visual appearance
- Improved stain resistance
- Water, oil, dirt repellency
- Gloss or matte effect achievable
- Wet-look effect possible
- Recoatable
- Tin free
- Low VOC

How to apply

Can be applied with roller, sponge, brush or pump-style sprayer.

Application Areas

High- and low-porosity mineral substrates, e.g. cotto, slate, granite or marble, which are used for:

- Floors
- Table tops
- Window sills
- Kitchen plates



Example of different surface effects.
From left to right: untreated, matt finish, glossy finish.

ANTI-GRAFFITI PERMANENT PROTECTION AGAINST UNDESIRE D COATINGS

Unwanted street-art can be annoying and expensive to remove. Treating facades with SILRES® BS makes it easy to wash off graffiti using just water.

SILRES® BS 710 is a clear, one-component, moisture-cured, silicone-elastomer concentrate that can be applied by brush, roller or professional spray equipment. Once applied, SILRES® BS 710 forms a permanent coating that allows removal of graffiti by cold-water cleaning. No additional cleaning agents are needed. Smaller graffiti can easily be removed using a wet sponge. In contrast to established sacrificial anti-graffiti systems, SILRES® BS 710 does not have to be re-applied after graffiti removal. It is permanent.

Surface Treatment

How to apply

Can be applied with standard equipment such as a roller, sponge, brush or pump-style sprayer.

Benefits

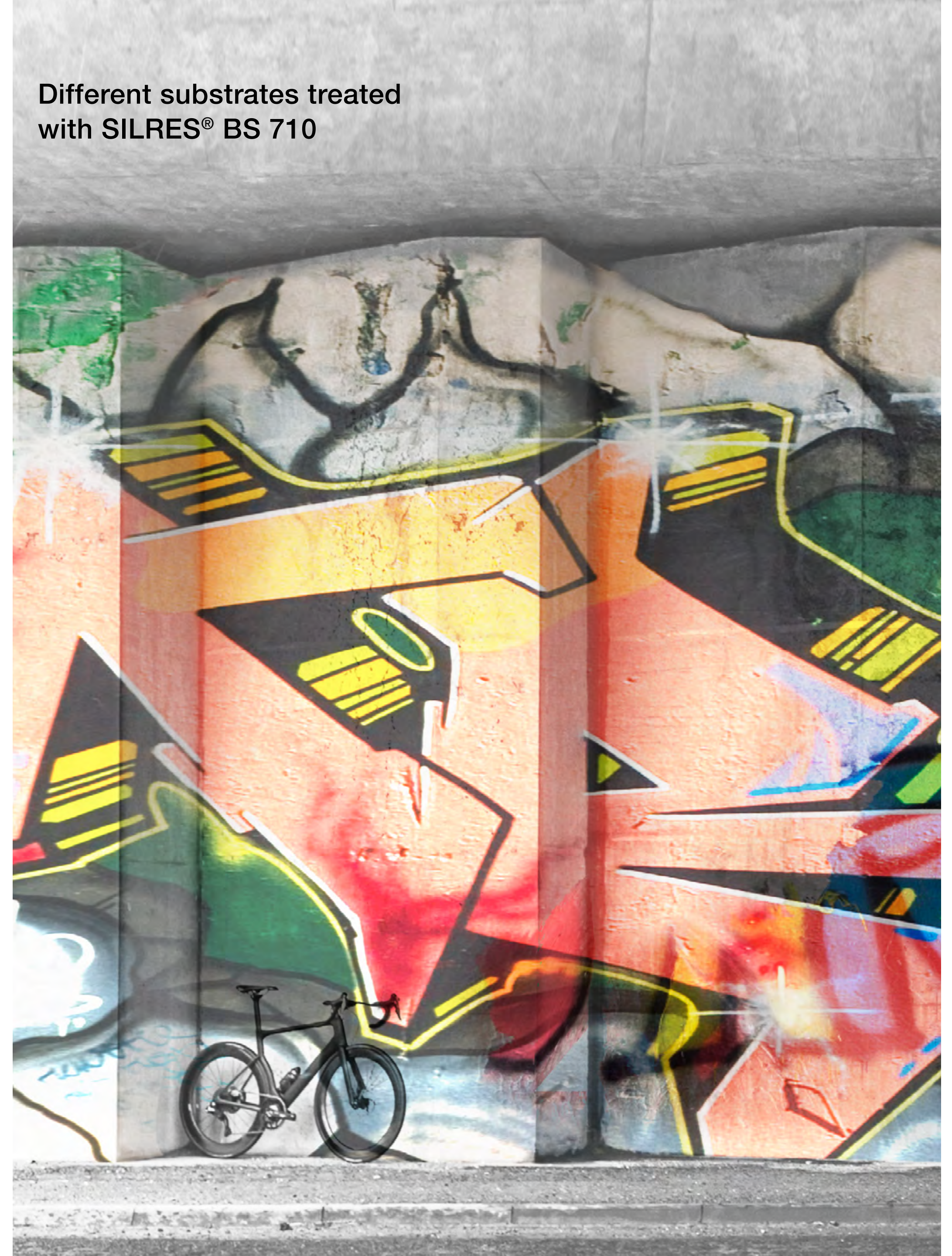
- Permanent protection
- Easy graffiti removal
- UV resistant
- Poster release
- Breathable film
- Pigmentable

Application Areas

Substrates such as:

- Concrete
- Masonry
- All kinds of natural stone
- Wood
- Coated Metal

Different substrates treated
with SILRES® BS 710



SILRES® BS – MAKES THE DIFFERENCE FOR YOUR BUSINESS



Protection with silicone-based products is among the most effective and successful worldwide. We invite you to explore the possibilities this chemistry offers for you.

Partner with the Pioneer

When choosing our portfolio you are also profiting from our unique experience and expertise. The first silicone resins for building protection originated from WACKER laboratories. Today, we provide you with a comprehensive, time-tested and innovative portfolio that includes tailored solutions for many applications, climates and substrates.

Profit from Individual Service

Partnership is important to us. That is why we offer personal and comprehensive service from experienced technical service engineers and a close net of technical centers worldwide.

For example, we offer advice on product selection, help you optimize a formulation, test your products or use our experience to assist you with application-related topics. Our dedicated experts and our well equipped labs are at your disposal. **Just talk to us!**



CREATING TOMORROW'S SOLUTIONS

A Diverse Array of Products for Growing Markets

Our product portfolio ranges from silicones, binders and polymeric additives all the way up to bioengineered pharmaceutical actives. Rounding these out is hyperpure silicon for semiconductors and solar applications.

Innovations that Improve Quality of Life

As a technology leader focusing on sustainability, WACKER promotes products and ideas that offer considerable value-added potential to ensure that current and future generations enjoy a better quality of life, based on energy efficiency and protection of the climate and environment.

Global Knowledge for Local Markets

When you work with WACKER, you have 100 years of chemistry expertise at your disposal, with access to the research findings and best practices of our experts throughout the world. Our knowledge base consists of a network of 23 technical centers, 14 training centers and our basic research center.

And most importantly: we are there wherever you need us – worldwide. Our local specialists know your markets and speak your language. Working with them, you will find innovative solutions that win over your customers and make you more competitive.

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All figures are based on fiscal 2021.



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In dispersions and dispersible polymer powders based on vinyl acetate-ethylene (VAE), in building-protection silicones and in the production of cyclodextrin and cystein.



Globally Active

- Sites worldwide
- Headquartered in Munich
- 26 production sites in Europe, Asia and the Americas
- 23 technical centers
- 14 WACKER ACADEMY training centers
- 52 sales offices



Employees: 14,400



Total Sales
€6.21 billion



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