CONSTRUCTION MATERIALS AND DECORATIVE COATINGS

SILRES® BS – THE DURABLE SOLUTION
for Anti-Stain, Color Enhancing Effects and Anti-Graffiti
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 – a solvent-based yet tin-free mixture – and SILRES® BS 39 – a water-based formulation.

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

Oil and Water Repellents

Example for Easy to Clean Protection
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.

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 UNDESIRED 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.

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
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 a high 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.

Follow us:
Find us on LinkedIn, YouTube and Twitter, and we’ll keep you up to date on the latest and discuss current issues with you.

All figures are based on fiscal 2019.
The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.