



WACKER

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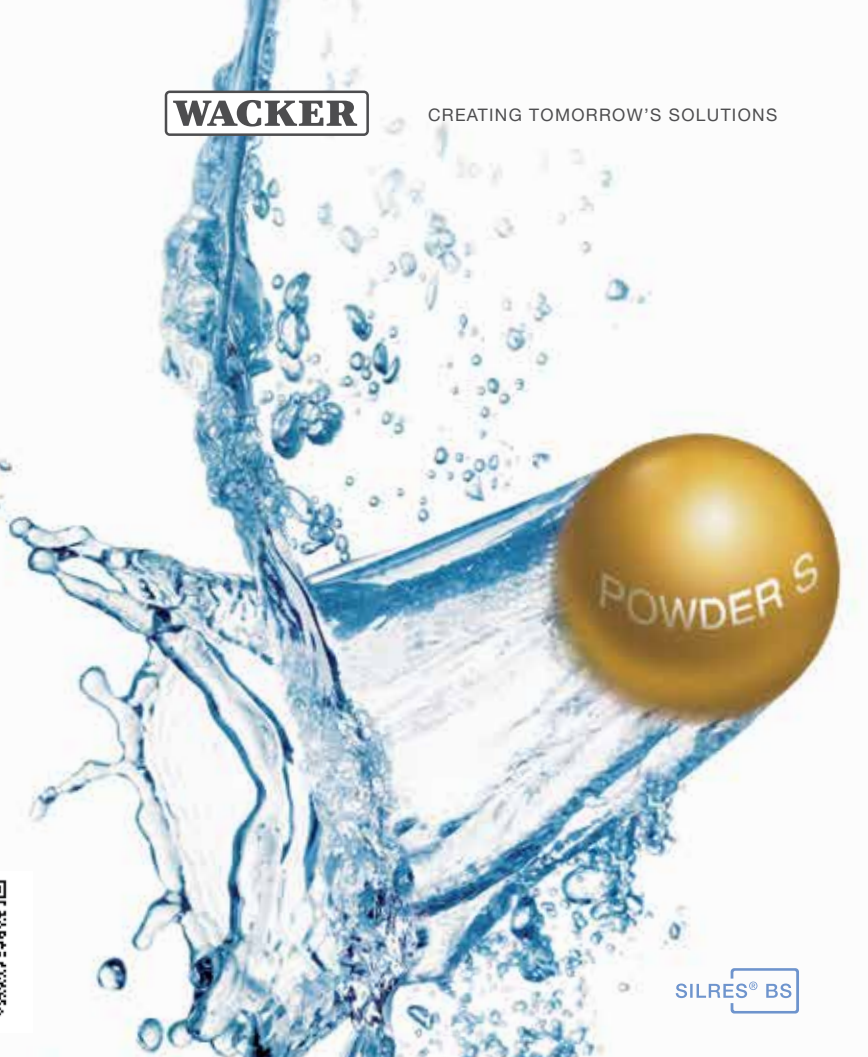
www.wacker.com/powder-s

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CREATING TOMORROW'S SOLUTIONS



SILRES[®] BS

CONSTRUCTION | HYDROPHOBIZATION

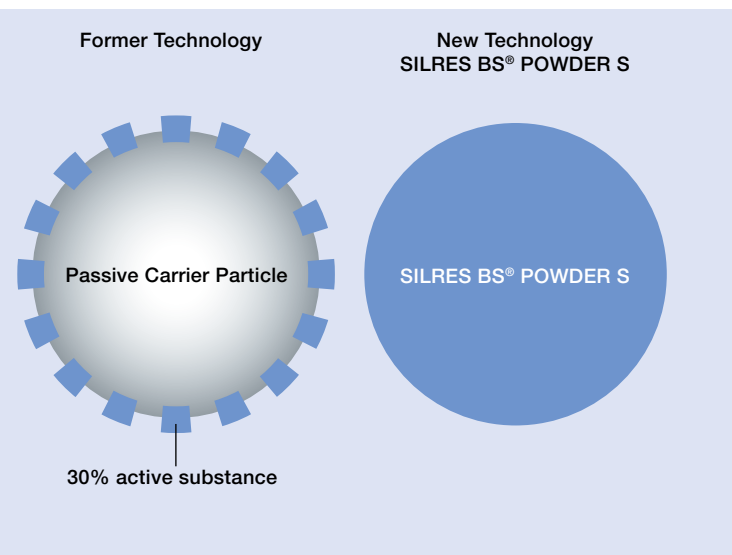
A SUBSTANTIAL BREAKTHROUGH IN HYDRO- PHOBIZING GYPSUM

100% Siliconate Powder Power
Against Water Absorption

THE ALL NEW SILRES® BS POWDER S: PURE EFFICIENCY AT WORK

Simplicity and strength do not have to be mutually exclusive. The new SILRES® BS POWDER S is the ultimate proof. The highly efficient powderous hydrophobizing additive is just based on pure active substance. Without any passive carrier or encapsulant. It simplifies your gypsum-based drymix formulations while optimizing the quality and durability of the end product.

Go for the Power of Simplicity!



SILRES® BS is a registered trademark of Wacker Chemie AG.

A BIG STEP FORWARDS: 100% ACTIVE SUBSTANCE – 0% VOC

An Obsolete Technology Makes Room for a New One

Highly efficient liquid silane and silicone additives have been known for decades. But how to provide such materials in solid form for drymix formulations, which need powder products? For many years, there was only one answer: Depositing them on the surface of solid carrier particles or encapsulation in organic polymers – similar to a Trojan horse. A process that led to a low active content of 20 – 30%, low efficiency, VOC emissions and wetting problems with the mixing water and finally increased dusting during mixing. With SILRES® BS POWDER S this is a thing of the past.

A Pioneering Technology ... for High Efficiency

For the all new SILRES® BS POWDER S, we developed an active substance in solid form, which doesn't need any carriers. As a result, the product which has been optimized for gypsum-based drymix formulations like plasters, joint fillers, adhesives or screeds, shows a revolutionary efficiency. The water absorption of gypsum powder products can be reduced by more than 90% applying a dosage rate of 0.2 weight percent.

... for Extended Properties and More Durability

Gypsum is basically a water-soluble binder. As a result, the use in areas with increased humidity had been tricky – water resistance is needed for certain applications. No problem with SILRES® BS POWDER S. Especially where gypsum-based dry mortars compete with cement, a virtually insoluble binder, extra protection will extend the possibilities of gypsum drymixes. This can be multi-purpose gypsum plasters, which can be used throughout the building, even in moist areas like bath rooms, kitchens, basements, stair cases or garages. Or the use of water-repellent joint fillers for moisture-resistant wallboards. SILRES® BS POWDER S will make flooring screeds and all other gypsum dry mortars more durable against water ingress.

... Provides Unmatched Advantages

- pure active substance – pure efficiency
- no wetting problems – no dusting
- no liquid silanes or siloxanes – no VOC
- more water-repellent – better end product
- easy to use – easy to stock
- less transportation and less warehousing cost

SILRES® BS POWDER S – THE NEXT GENERATION OF HYDROPHOBIZING ADDITIVES



SILRES BS® POWDER S – Product Properties

Appearance	Powder
Color	White
Odor	Odorless
Active substance	> 99%
Bulk density	Approx. 640 kg/m ³
pH value	12 (20 °C, 50 g/l H ₂ O)
Minimum ignition energy (EN 13821)	> 10000 mJ

The liquid silicone water repellants for use in wallboard, fiber board or block applications are available at WACKER as usual.