

# SILRES® BS 30

## MASONRY WATER REPELLENTS

### Product description

SILRES® BS 30 is a solventless silicone concentrate, based on a mixture of silane and siloxane. In undiluted form it imparts water and stain repellency to mineral substrates while providing an enhanced look.

SILRES® BS 30 works well on a wide variety of mineral substrates commonly used in the tile industry including tumbled marble, limestone, slate, and saltillo clay tile.

### Special features

- Formulated to impart an enhanced appearance on stone and natural tile substrates.
- Depending upon application, it provides either a matte or a gloss finish.
- Hardened SILRES® BS 30 is UV stable and provides excellent water repellency to reduce cracking, spalling, freeze/thaw damage, chemical degradation, biological growth, efflorescence, and dirt pickup, thereby lengthening substrate life and reducing maintenance costs.
- Coatings are vapor permeable to resist cracking, peeling and blistering.
- Easy remove of stains with a tissue.
- One coat sufficient. Several coats possible.
- Solvent dilutable and environmental friendly.
- Superior storage stability including freeze/thaw stability for ease of use.

### Application

Mineral substrates that are treated with SILRES® BS 30 are leading to a colour enhancement. The treatment with undiluted SILRES® BS 30 leads to easy to clean properties against oil- and waterbased stains.

### Processing

Surface preparation depends on substrate placement, type and strength, curing and finishing processes, age, condition, previous contamination, and the presence of existing coatings as well as the application of SILRES® BS 30. Surfaces should be clean from dust, dirt, oils, grease, curing compounds, other coatings,

efflorescence, and laitance before applying SILRES® BS 30. Cleaning methods which are compatible with the application of SILRES® BS 30 include:

Mechanical - abrasive blasting (sand, baking soda, vacuum).

Chemical - acid etching, stripping, solvent degreasing, caustic soda scrubbing, alkaline soap scrubbing, high pressure washing, high pressure washing with sand.

Heat - propane and acetylene torching.

If strongly acidic or caustic cleaning agents are used, neutralize the surface and completely wash to remove any residues. Before using any surface preparation method, a test patch should be performed with the customer's approval to ensure that their needs are met.

SILRES® BS 30 should be applied as supplied to achieve the desired application effect. One to two coats of SILRES® BS 30 should be applied to achieve an enhanced appearance. Two to three coats of SILRES® BS 30 should be applied to achieve an enhanced appearance with gloss.

SILRES® BS 30 can be applied with a soft, lint-free cloth, sponge, or paint brush. Excess material should be removed to prevent inconsistencies in the enhancement. The product should be fully cured within 24 hours.

A test patch should be performed prior to general application with the customer's approval to ensure the desired appearance is achieved.

Substrates which are coated with SILRES® BS 30 are generally re-coatable with solvent borne coatings. A test patch should be performed prior to general application with the customer's approval to ensure that desired appearance is achieved.

### Storage

The 'Best use before end' date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

**Safety notes**

Comprehensive instructions are given in the

corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

**Product data**

Typical general characteristics	Inspection Method	Value
Density at 25 °C	DIN 51757	1,03 g/cm <sup>3</sup>
Viscosity, kinematic at 25 °C	DIN 51562	14 mm <sup>2</sup> /s

These figures are only intended as a guide and should not be used in preparing specifications.

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.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

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