

SILRES® BS 710

MASONRY WATER REPELLENTS

Product description

SILRES® BS 710 is a permanent anti-graffiti coating for the protection of concrete, masonry, wood and pre-existing coatings. It is based on polyorganosiloxanes and provides excellent performance against exterior elements such as rain, sun and temperature extremes. SILRES® BS 710 is a single component product, that cures at room temperature with ambient moisture. The cured coating provides excellent release and ease of removal of most permanent markers and aerosol paints.

Properties

SILRES® BS 710 contains a select mixture of silicone compounds. The relatively high molecular weight silicone ingredients react with moisture under formation of the anti-graffiti coating with an excellent adhesion to the host surface. Thereby it is improving its weathering resistance and breathability.

Special features

- One-component system
- effective on many building materials
- single layer application usually sufficient, multi layer application possible
- weatherproof
- water repellent
- permeable to water vapor
- solvent dilutable and environmentally compatible
- Graffiti removal with water
- enhances the colour of the surface

Application

Particularly suitable for mineral building materials such as concrete, brick, limesandstone, natural and artificial stone, plaster, wood and coated metal surfaces as a permanent protection against graffiti. <productname> is to use only after a thorough examination on coated metal and plastic surfaces and possibly in combination with a suitable primer.

Processing

Apply SILRES® BS 710 to a clean dry surface. Surface may be cleaned by scrubbing or power washing with a common solvent or cleaner. SILRES® BS 710 can be thinned to the desired application viscosity. Aliphatic solvents are the preferred choice. Other solvents may be used however all combinations must be tested to ensure clarity of the coating, solvency and stability. Weak solvent combinations can lead to a loss of cure, clarity or even precipitation of the coating's solids. For this reason methyl acetate is not recommended.

SILRES® BS 710 is applied using an airless sprayer. However, brush or roller are also suitable methods of application for small surface areas. Primer is not needed prior to SILRES® BS 710 to most common surfaces. Due to its consistency SILRES® BS 710 is easy to be applied in a single coat.

A test area should be applied especially on painted or existing graffiti surfaces.

With proper protective equipment SILRES® BS 710 may be applied via industrial spray application methods such as airless and conventional spray. See SDS for proper protective equipment. After use, the spray equipment and lines must immediately be flushed with solvents to prevent the coating from curing and forming a tough adherent cured film.

SILRES® BS 710 cures quickly once applied to dry substrates and exposed to humidity in the air. Curing occurs at the surface and progresses to the substrate based on the available ambient moisture. Complete drying for heavier film builds may require up to 24 hours.

Containers, once opened, should be used until empty. Any remaining coating, exposed to air will continue to cure and thicken resulting in surface skinning and increased viscosity.

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
Viscosity, kinematic	DIN 51562	5020 mm ² /s
Density at 25 °C	DIN 51757	0,9816 g/cm ³
Flash point	ISO 3679	54 °C

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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For technical, quality, or product safety questions, please contact:

Wacker Chemie AG
Hanns-Seidel-Platz 4
81737 München, Germany
info.silicones@wacker.com

www.wacker.com