

# SILRES<sup>®</sup> BS 1601



## Silanes

SILRES<sup>®</sup> BS 1601 is n-octyltriethoxysilane. SILRES<sup>®</sup> BS 1601 is used undiluted as a water-repellent primer and impregnating agent for normal and reinforced concrete.

## Properties

- greatly reduction of chloride and water absorption by concrete - reduces loss of concrete due to freeze / road salt attack - low volatility After application to the concrete, SILRES<sup>®</sup> BS 1601 reacts with the atmospheric moisture or pore water in the concrete, thereby generating the active ingredient. The active ingredient greatly lowers the water absorbency of the treated concrete, which nevertheless retains a very high degree of water vapour permeability since neither pores nor capillaries are clogged.

## Applications

- Construction Materials
- Infrastructure & Concrete Modification

## Application details

Liberally apply several coats (wet-on-wet) of the impregnating agent uniformly to the concrete. Do not allow puddles to form. Apply with a low-pressure pump, allowing impregnating agent to flood over the surface. For even distribution use a roller afterwards. - Allow fresh concrete at least two weeks - preferably four - to set before impregnating it, to ensure that the cement sets properly. - Remove coarse particles and dust from new (>,<) unsoiled surfaces with a brush or compressed air. Use superheated steam to clean weathered surfaces that are heavily soiled with oil, abraded rubber (>,<) etc., prior to treatment. - Only impregnate concrete that has a uniformly dry surface with no damp patches. An equilibrium in humidity with the outside air is reached, when a freshly produced surface of fracture is not turning lighter in appearance (due to drying). No darkening of concrete or condensation may occur over night underneath a PE film (500 mm x 500 mm) attached to the concrete at its edges. - Should it suddenly start to rain, stop treatment and cover the impregnated areas. SILRES<sup>®</sup> BS 1601 should not get into direct contact with bitumen. The resistance of thermal insulating materials against (><)productname> has to be determined.

SILRES® BS 1601 is recommended as a water-repellent impregnating agent and primer for normal and reinforced concrete for bridges, roads and buildings.

## Packaging and storage

### 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>.

## QR Code SILRES® BS 1601



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

**Wacker Chemie AG**, Hanns-Seidel-Platz 4, 81737 Munich, Germany  
[productinformation@wacker.com](mailto:productinformation@wacker.com), [www.wacker.com](http://www.wacker.com)

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.