

# OTTO Siloxan 290L

The silicone for surface impregnation



Oligomer siloxane in solvent

For outdoor application

SXN

## Characteristics

- Ready-to-use silicone surface impregnation
- High penetration depth
- UV-resistant
- Can also be applied on moist substrates (not rain-wet)
- Forms a water- and dirt-repelling surface
- The hydrophobe effect prevents the penetration of moisture from the outside to the inside but it lets the internal moisture escape to the outside
- Bridges hair cracks up to a width of 0,3 mm
- Reduces the tendency of treated surfaces to pick up dirt
- Avoids humidity in the construction material thus avoids salt efflorescence as well as moss and algae growth
- Paintable with commercial dispersion paints
- Low odour
- Colourless
- Slight deepening of colour is possible



## Fields of application

- Hydrophobic treatment of façades and building components made of concrete, cellular concrete, fibre cement, brick-work, natural and artificial stone, mineralic plasters and coatings
- Drainage of moist and cracked surfaces, which are then painted using dispersion paints
- Only for vertical surfaces

## Technical properties

Density at + 23 °C [g/cm³]	~ 0,8
Shelf life at 23 °C/50 % RH [months]	12

These data are not suitable for the issue of specifications. Please contact OTTO-CHEMIE before issuing specifications.

## Pretreatment

The substrates have to be free of dust and fat, stable and almost dry. Weathered surfaces with salt efflorescences should be cleaned by sandblasting, steaming or by cleaning with suitable detergents. Moss, mould and algae attack have to be removed completely.

## Important information

OTTO Siloxan 290 L prevents water from penetrating building surfaces without reducing their breathability. OTTO Siloxan 290 L improves thermal insulation of the treated facade and therefore saves costs for heating. Beside a reduced water absorption the impregnated material shows a substantially lower trend for pollution. Algae, moss attack and salt efflorescence can hence be prevented. Special advantages of OTTO Siloxan 290 L are the high penetration depth, the alkaline and UV-resistance and the application even on slightly humid substrates. The trading units are to be protected from temperatures above +30 °C and should be stored unopened.

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**OTTO**  
 CHEMIE  
 SEALING & BONDING

## Application information

Apply OTTO Siloxan 290 L with a brush or a spray gun from top to bottom. Shake well before use. OTTO Siloxan 290 L may be applied in one or several layers. OTTO Siloxan 290 L should be applied in several layers, the previous layer must be wet when the subsequent layer is applied. Avoid splashes on adjacent surfaces, e. g. glass, window and doorframes made of wood and metal, gutter and elastic expansion joints while using a covering. The same goes for splashes on adjacent façades, because the colour can be deepened by OTTO Siloxan 290 L. Compatibility to plastics in façades or flat roof areas has to be checked before hydrophobizing. In case of strongly weathered mortar joints we recommend pretrials to test the effectiveness of the hydrophobizing.

### Quantity:

Concrete 0,25 - 0,5 litre/m<sup>2</sup>

Plaster 0,5 - 1 litre/m<sup>2</sup>

Sandstone 0,4 - 0,7 litre/m<sup>2</sup>

Brickwork 0,4 - 2 litre/m<sup>2</sup>

Cellular concrete 0,5 - 2 litre/m<sup>2</sup>


Cement fibre boards 0,1 - 0,3 litre/m<sup>2</sup>

Natural stone 0,05 - 3 litre/m<sup>2</sup>

Due to the many possible influences during and after application, the customer always has to carry out trials first.

Please observe the recommended shelf life which is printed on the packaging.

## Packaging

	5 l tin canister	10 l tin canister	25 l tin canister
 colourless	SXN-58	SXN-60	SXN-62
Pieces per packaging unit	1	1	1
Pieces per pallet	82	50	24

## Safety precautions

Please observe the material safety data sheet.

## Disposal

Information about disposal: Please refer to the material safety data sheet.

## Warranty information

The above information and our technical application advice, whether verbal, in writing or by means of tests, are provided to the best of our knowledge, but are non-binding, including with regard to any third-party property rights. The information in this publication does not exempt the processor from carrying out their own tests on our products with regard to their suitability for the intended processes and purposes. The application, use and processing of our products and the products manufactured on the basis of our technical application advice are beyond our control and are therefore the sole responsibility of the processor. If the application for which our products are used is subject to an official authorisation requirement, the user is responsible for obtaining these authorisations. We reserve the right to adapt the product to technical progress and new developments. For the rest, we refer to our General Terms and Conditions, in particular with regard to any liability for defects. You can find our GTC at [www.otto-chemie.de](http://www.otto-chemie.de).