

KÖSTER® Siloxan

Water repelling facade impregnation against pelting rain and penetrating damp for absorbent construction materials

Product Description:

Turkish product name > KÖSTER Siloxan

KÖSTER Siloxan is a colourless and solvent based impregnation liquid for exterior applications and building facades.



Applications:

For the impregnation of all absorbent, mineral based substrates, as e.g. brick, non glaze clinker and facing brick, lime sand stone, porous concrete, visible concrete, asbestos cement, tuff stone and other water absorbing natural and synthetic stones.

Properties:

- Transparent
- Dries invisibly and bond free
- Particular high penetration depth into the construction material due to the low molecular structure
- The resistance against alkalines makes the application on fresh concrete surfaces possible
- The water vapour permeability of the construction material remains practically unaffected
- Long lasting effect

The impregnation prevents penetration of damp and the related damaging after-effects;

- Discoloration and soiling by absorbing the rainwater
- Frost damage
- Salt efflorescences
- Swelling
- Lime depositing
- Early erosion
- Algae, mould and moss
- Reduction of heat insulating figures by penetration of damp

The ultimate rain protection for buildings

The KÖSTER Siloxan facade impregnation forms an extremely efficient rain protection. It's very strong water repelling character is due to the surface of the silicate construction material. That part of the thin coating which is similar to silicate fixes itself extremely tight to the surface, while the water repelling "hydrophobe" particles turn away from the surface of the construction material, i.e. they arrange themselves on the external side of the material and thus cover the material with a water repellent "external skin". Thus the interface stress of the treated material rises against the water so heavily that the drop of water, lying on the surface tries to escape the contact with the material. It contracts by creating a contact angle as big as possible and rolls off.

Instructions:

Substrate:

Surfaces must be clean, sound and dry (or slightly damp). Dust, oil, grease, old coatings, laitance, efflorescence, rust, curing compounds, waxes, form oil and similar contaminations should be cleaned or removed prior to application. Surface must be free of cracks larger than 0,3 mm.

Application of KÖSTER Siloxan:

Apply in two operations in two rich and even layers by painting or spraying. The applied amount is sufficient if the surplus solution runs down for app. 15 cm. Impregnate wall areas top down. You should carry out both operations within 10 minutes. Cover areas that are not supposed to be covered, windows, doors, plants etc.

Consumption:

Depending on the qabsorbency of the substrat

KÖSTER Siloxan 0,25 – 1,0 lt/m²

We recommend, prior to application of the impregnation, to make a test, where you can find out about the amount of required impregnation material and the effect of the product.

Packaging:

KÖSTER Siloxan 5 lt canister

KÖSTER Siloxan 50 lt canister



Notes:

- Do not apply below 5 °C or if temperatures below 5 °C are expected within 24 hours.
- Do not apply on damp, wet or frozen surfaces

Storage:

Store in dry conditions and at room temperatures, in original containers.

Shelf life:

12 months.

Health and Safety:

Contains flammable solvent ! Avoid inhaling the vapours and contact with skin. Wear suitable protective clothing, gloves and eye / face protection. Adequate ventilation of the working area is recommended. After contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. When using do not eat, drink, smoke and keep away from sources of ignition. For additional references to safety-hazard warnings, regulations regarding the transport and waste management please refer to the relevant Material Safety Data Sheet.

 1020	
KÖSTER YAPI KİMYASALLARI İNŞ. SAN. VE TİC. A.Ş. GEBKİM Kimya İşhanı OSB Atatürk Bulvarı No: 6 41455 DİLOVASI / KOCAELİ TR	
1020 - CPR - 040 051989 / DOP NO: 012 EN 15042 KÖSTER Siloxan Water repelling facade impregnation against getting rain and penetrating damp for absorbent construction materials Coating application (MC) 1:1/2:1	
Depth of penetration	Class I
Water absorption and resistance to alkali test for hydrophobic impregnation	< % 7,5
Drying rate for hydrophobic impregnation	Class II

Legal Notes : This guide has been issued to provide details regarding the use and application of our products, which can be used in very wide and various areas and to demonstrate the general technical details. This information reflects the knowledge and expertise of our company and is of recommendation nature. Especially, the details regarding implementation and final use are provided with good will to cover the storage, handling and application of our products under normal and recommended conditions. Products, application surfaces, areas and application conditions vary in practice. Therefore, it is of utmost importance to make sure you are applying the right product, at the right conditions and places. Since KÖSTER cannot check how its products are used, it does not accept any responsibility regarding the results of the application and does not provide any guarantees. Information provided here or written/verbal information provided by KÖSTER employees should solely be considered as recommendation. KÖSTER employees to visit the application area do not create any supervisor responsibilities on our part. The product users (user) should test the suitability of the product they are planning to use for the respective application and purpose. KÖSTER has the right to modify its products without announcement. Acceptance of all orders is based on our current sale and transportation terms and conditions. Users should always consider the final version of the local Technical Sheet of the respective product, which can be obtained by applying to KÖSTER. Product users should act cautious and observe and protect their own interests and property rights. They are even obliged to act in this manner. This guide only covers KÖSTER products and is not valid for products of other companies. Only the written announcements of our company are valid regarding matters that require technical support provided by us. This technical document is valid until a new version is printed and supersedes all previous versions.