

SAMBOND® 4S

WATER REPELLENT COATING



DESCRIPTION:

- SAMBOND® 4S is an optimally constructed impregnation for facades with extremely high alkali-resistance and water-repelling properties for a long time duration.
- It is a solvent-free, one-component impregnation based on oligomer siloxane.

PROCESSING:

- SAMBOND® 4S is best applied by spraying. The mouth of the spraying gun is to hold approximately 10 cm in front of the façade and let it there while spraying as long as the solution is no longer absorbed by the façade, nor it is running down. By taking a low spraying-pressure the atomization of the solution can be prevented. Smaller areas can also be treated with a brush.
- Processing temperature: above +5 C air-and-substrate temperature.

METHOD OF USE:

- Substrate shall be dry. Fresh concrete can be treated even 24 hours after dismantling of form work, but it should be regarded that the penetration i.e. depth of SAMBOND® 4S gets higher with the dryness of substrate.
- Cracks and tears of size above 0,3 mm must be levelled-out before treating. Old facades must be cleaned from moss, braids and dirt.
- Prefabricated parts as well as building blocks or roof-tiles can be impregnated by brush, spray or immersion.
- Concrete can be impregnated even 24 hours after dismantling the formwork.

RECOMMENDED APPLICATIONS:

- Exposed concrete, exposed aggregate concrete, gas-concrete, fresh asbestos cement, natural stones, artificial stones, all sorts of mineral plaster, faced brickwork, clinker.
- As a primer for cement paint, artificial resin paint and dispersion paint.

ADVANTAGES:

Humidity-protection:

- With SAMBOND® 4S the greater part of salt-blooming, frost damages, humid walls, erosion and other damages, which are caused by humidity into brickwork, can be avoided.

Clean facades:

- A new or fresh cleaned facade, which has been impregnated with SAMBOND® 4S keeps longer dry and clean.
- The siloxane-effect prevents penetration of dust in the façade. Mould fungus and moss are prevented for a long time.

Less costs for heating:

- In many buildings a lot of heating energy gets lost through the walls. By absorption of humidity in the brickwork from outside the cladding, loss of heat gets even worse.
- The saving of heat by impregnation of the façade with SAMBOND® 4S is as a result of low absorption of humidity of the outer wall. This lowers the conductibility of heat of the outer wall and the inner walls reach higher temperatures and thus a condensation on the inner walls can be avoided.
- Facades impregnated with SAMBOND® 4S stay permeable for water vapour and become breathable.

PRODUCT DATA:

Form	Liquid
Density	Approximately 0.98-1.02g/cm 3
Coverage / Consumption	0.1-0.5 kg/m 2 depending on the substrate
Colour	Colourless
Storage	Approximately 12 months
Safety	Wear gloves to avoid skin contact
Packing	5, & 20 kgs

CONSULT OUR PRODUCT APPLICATION DEPARTMENT (PAD) IN CASE OF ANY DIFFICULTY OR FOR TECHNICAL ASSISTANCE

SAMROCK products are guaranteed for the performance of material and manufacture.

The details given here are based on our laboratory and field observations and as such as construed to be reliable. But we shall not accept responsibility for any work carried out with our material as we do not have control over other ingredients, workmanship and field conditions. This data sheet is subject to change in view of constant research and development being undertaken in our laboratories. Customers are advised to contact SAMROCK for the latest version.

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