



VARIPHOB SRN[®] 721

Impregnating instead of restoring

CHT
SMART CHEMISTRY
WITH CHARACTER.

VARIPHOB SRN[®] 721

Water and moisture are mainly responsible for structural damaging of all kinds of masonry and other mineral systems. Structural damages as chippings, cracks, frost damage, algae growth or salt efflorescence occur. With the appropriate hydrophobic impregnation, mineral-based substrates can be durably protected against such damages. With a colourless and transparent impregnation based on VARIPHOB SRN 721 you can reduce maintenance costs and considerably minimise renovation work. VARIPHOB SRN 721 is based on CHT own silicone resin chemistry, which is responsible for the considerable reduction of capillary water absorption with largely unaffected breathability.



Recommended application fields

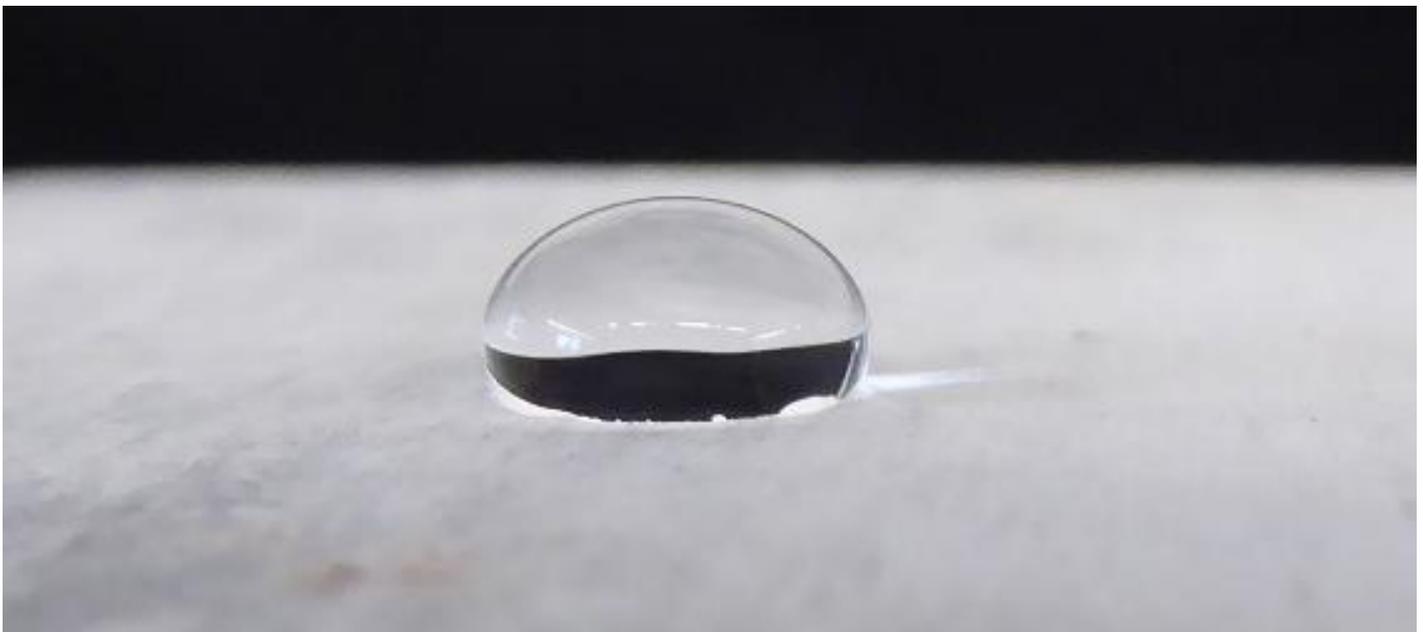
The solvent-free concentrate based on silane/siloxane is an all-round hydrophobic agent and primer. It is especially suited for mineral-based and very much alkaline substrates as for example:

- brick masonry
- mineral-based plasters or mineral paints
- porous concrete
- sandstone or other natural stones
- concrete paving stones
- lime sand-stone
- mortar
- granite
- marble
- primer for facade paints
- primer for mineral, alkaline or very much alkaline substrates

Product performance

Topic	Impregnation of a mineral-based substrate with a silicone resin
Product	VARIPHOB SRN 721 (active content 100%)
Substrate	concrete
Dilution	1:9 with isopropanol
Application	One layer applied with a brush
Drying time	24 hours at room temperature
Test	contact angle [°]

	CA [°]
VARIPHOB SRN 721	> 140°



The strengths at a glance

- Strong reduction of the water absorption
- Good early water resistance
- Low soiling tendency
- High water vapour permeability
- Excellent surface hydrophobicity
- Durable effects due to good penetration properties and high UV resistance
- Good alkali stability
- Low gloss and low tackiness
- Expels water from the pores - but does not seal them
- Minimises capillary absorption and reduces salt uptake of the treated substrates.

	VARIPHOB® SR 721
Appearance	Transparent liquid
Concentration	100%
Crosslinking property	Self-crosslinking
Durability	> 12 months
Recommended dilution with solvent	1:9 on for strongly bound substrates 1:12 for weakly bound substrates
Suitable solvents	Organic solvents: aliphatic hydrocarbons (e. g. white spirit, crystal oil) Aromatic hydrocarbons (e. g. Shellsol A) anhydrous alcohols (e. g. isopropanol)

