

HYDROPHOBIC IMPREGNATION | SILRES® BS CREME F

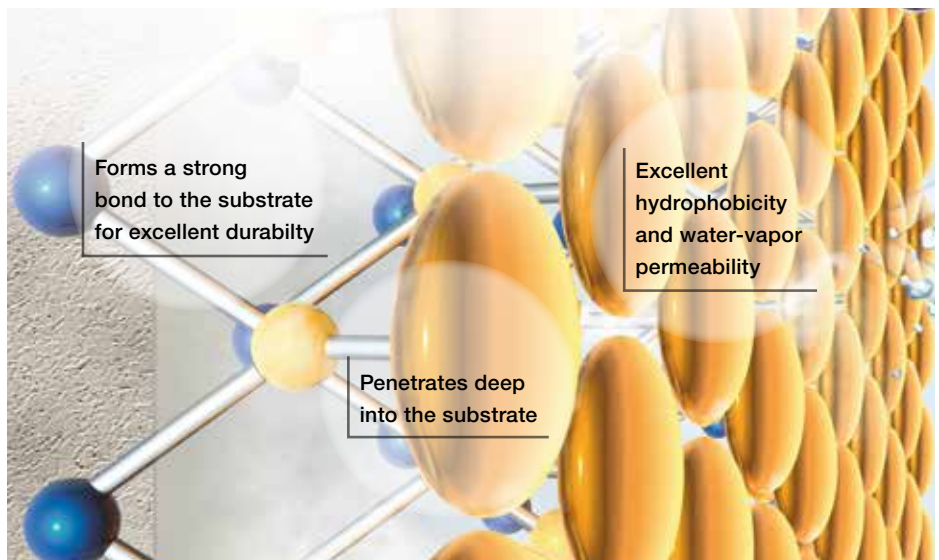
SILRES® BS CREME F – THE EASILY APPLICABLE HYDROPHOBIC FACADE IMPREGNATION

Most structural damage in buildings is caused by water and moisture: water may cause efflorescence and salt damage, it promotes microbial attack by fungi, moss, lichens, etc., and it reduces the insulating capacity of a facade. But while there are many different kinds of damage, there is one simple remedy: preventive protection against moisture by means of hydrophobic impregnation.

SILRES® BS CREME F is a high-quality water repellent for mineral surfaces. When used for hydrophobic impregnation of building exteriors, it reduces maintenance and repair costs. Impregnation makes the surface easier to clean, enhances the value of the property, and potentially reduces heating costs. SILRES® BS CREME F combines excellent hydrophobic performance with unbeatable application advantages.

Highly Durable Protection

SILRES® BS CREME F is a water-based, thixotropic cream based on a mixture of silane and siloxane. Using capillary action to penetrate the pores of the mineral building material, SILRES® BS CREME F reacts with the pore walls, siliconizing the pores and preventing water from wetting them – but does not affect water-vapor permeability.



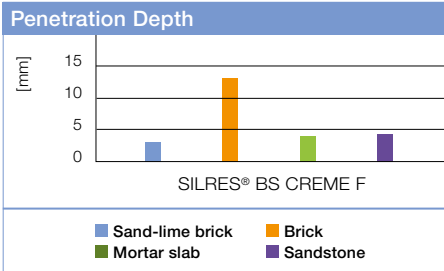
Organically modified silane and siloxane react with the silicate matrix of a mineral substrate and form a durable bond. This accounts for the extraordinary efficiency of hydrophobic impregnation.



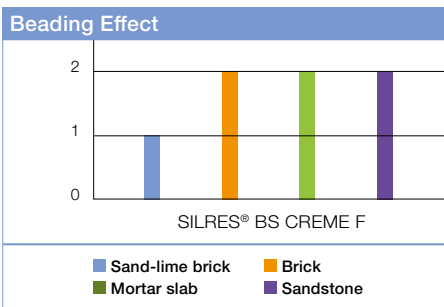
SILRES® BS CREME F is easy to apply and penetrates deep into the substrate.

Hydrophobic Impregnation Saves Energy

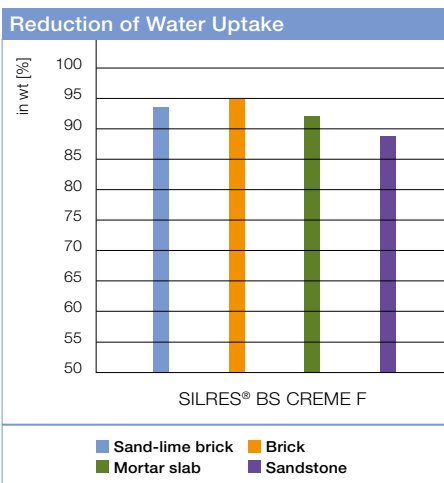
Building exteriors are responsible for 40% of heating energy consumption. Damp facades compromise thermal insulation – just 4% humidity decreases insulating capacity to 50%. Hydrophobic impregnation reduces water uptake of a wall by at least 80% for consistently high thermal insulation performance. At the same time, however, water-vapor permeability remains unaffected: moisture can escape through the wall, which helps create a healthy indoor climate.



All substrates coated with 200 g/m² SILRES® BS CREME F



1 = perfect beading
 2 = good beading
 3 = medium beading
 5 = no beading, usually untreated substrate



Application Areas

SILRES® BS CREME F is suitable for both artificial mineral substrates and natural stone:

- Brick
- Clinker
- Roofing tile
- Expanded clay
- Sand-lime brick
- Mineral plaster
- Mortar
- Sandstone



Application Method

Fast and easy application makes SILRES® BS CREME F extremely user friendly. SILRES® BS CREME F is suitable for single-step application and can be applied with the following:

- Roller
- Brush
- Airless spray equipment

Benefits of SILRES® BS CREME F:

- Easy single-step application
- Deep and fast penetration into substrate
- No material loss
- Long-lasting protection
- Longer contact time with substrate
- Excellent penetration
- Convenient, especially for overhead areas
- Lower environmental impact

Summary

SILRES® BS CREME F ensures a significant reduction of water uptake and outstanding beading and penetration, without sacrificing breathability or surface appearance.



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