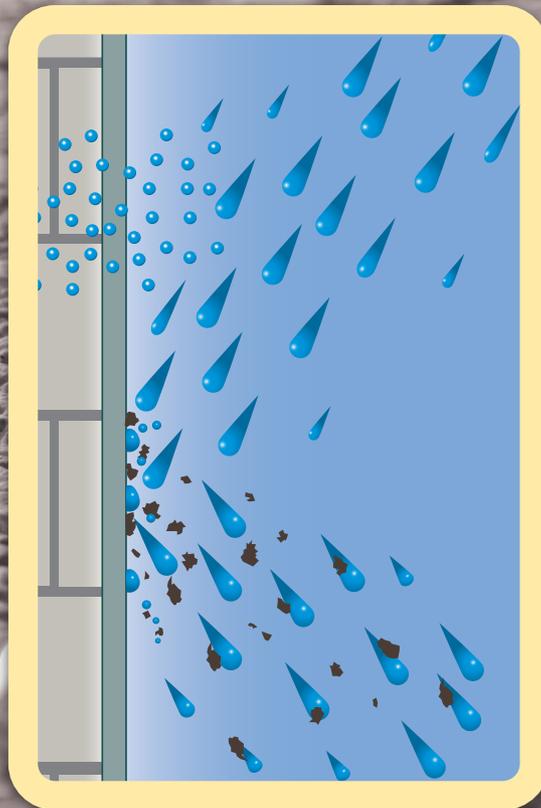


# Si-Prime

Impregnating Silane Primer

Penetrating Primer and Water Repellent  
for Concrete, Stucco and Masonry



Added  
Protection



**klaas**  
coatings

# Added Protection

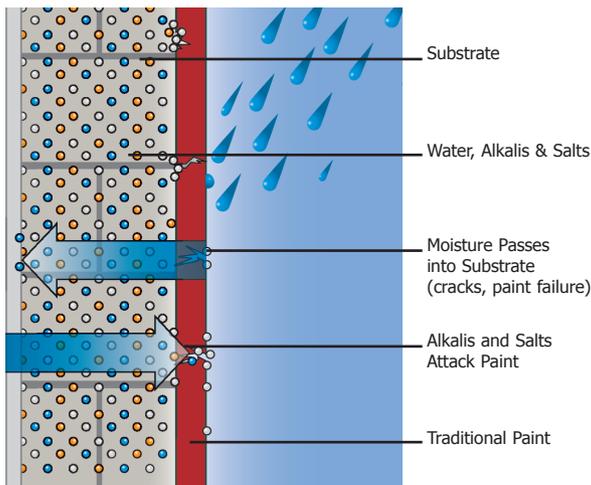
Si-Prime from Klaas Coatings is a low viscosity, water blend of Silanes, based Siloxanes and Acrylics used for priming porous mineral substrates prior painting with Si-Rex03.

### Key Performance Values

- Water Repellent - Non Pore Blocking
- Deep Penetration
- High Vapor Permeability
- Prevents Salt, Water and Alkalis Attack
- Improves Coating Adhesion
- Alkali Resistant
- Reduces Paint Consumption

## Water Repellency & Deep Penetration

### Substrate without primer



Si-Prime impregnates the surface making the penetrated zone hydrophobic (water repellent) that creates a dry zone beneath the coating. This is an additional layer of waterproofing protection for the substrate along with the coating that is applied subsequently.

### High Vapor Permeability

While the surface layer is water repellent it does not block the pores of the substrate. It allows moisture in the form of vapor to escape. This ability to breathe matches the breathability of Si-Rex03 and ensures the whole system can breathe. This also allows the stuccos and other cement based substrates to cure fully and gain strength over time.

### Prevents Salt, Water and Alkali Attack

The dry zone created by Si-Prime protects the coating from attack by water, salts and alkalis that can be transported to the surface.

## Improves Coating Adhesion

The dry zone created by Si-Prime below the topcoat assists adhesion performance and its breathability minimizes cracking and peeling from occurring.

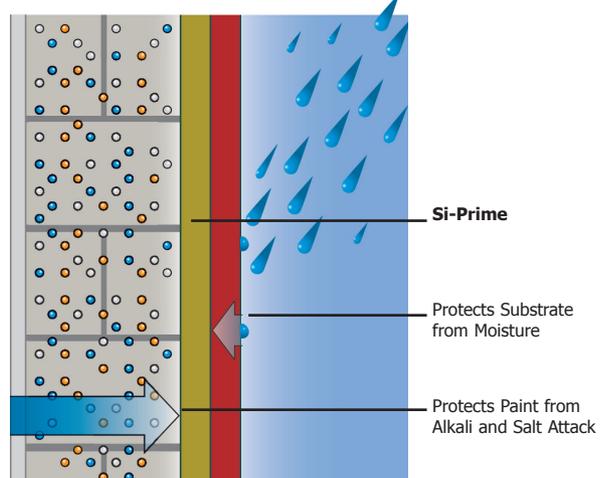
## Alkali Resistant

The Silane/Siloxane active ingredients of Si-Prime have a high alkali resistance and are suitable with cement and lime based substrates.

## Reduces Paint Consumption

Si-Prime will significantly reduce paint consumption per square foot and improve working time on porous substrates; especially helpful on hot or windy days where it is difficult to keep a wet edge.

### Substrate with Si-Prime



### Product Usage Chart

| Product Usage Chart   | Si-Prime |
|-----------------------|----------|
| In-situ Concrete      | optional |
| Precast Concrete      | optional |
| Cement Stucco/Plaster | yes      |
| Skim Coat             | yes      |
| Brickwork             | yes      |
| Blockwork             | yes      |
| Fiber Cement Sheet    | optional |
| Stone                 | yes      |
| Wood                  | no       |
| Metals                | no       |
| Glass                 | no       |
| Plastic               | no       |
| Previous Painted      | no       |