



# Creto®

**Deep penetrating  
sealant for concrete,  
screed, mortar  
and plaster**



**For basements, flat roofs,  
underground car parks, balconies,  
patios and much more.**



Creto® can be used as a sealant for all vertical and horizontal alkaline substrates. Its deep penetration properties make Creto® particularly suitable for treating concrete and masonry.

Creto® is simple and safe to apply.



**Preserve, protect and waterproof.**

# Creto® Waterproofing through deep penetration

## Preserve and improve

If you understand building products, you will know that they are not going to last forever. The capillary action of concrete and mortar allows penetration of water and other pollutants. This process takes place gradually and destroys the material from within. In the long run, most concrete and masonry materials are going to be destroyed by moisture damage and environmental pollution.

## Creto® the non-toxic alternative for deep penetration sealing

Creto® reacts with almost all of the alkali and lime present in building materials. It does not work like a surface coating material but forms a close bond with the building material. Creto® becomes part of the building material. Creto® penetrates into the pores and crystallizes until the pores are closed and have formed a strong bond with the material. Creto® and the building material become one material which is inseparable. The liquid material seeps into the pores and runs along the edges of the pores to form a silicate-based gel membrane without any organic components. Once the gel forms, it expands and provides a moisture barrier.

It is also well-suited for injection into damp masonry.



## Characteristics

- permeable
- crack-bridging up to 0.2 mm
- non-flammable
- strong bond across the entire surface
- penetration depth 10-30 mm
- increased compressive strength
- acid-proof up to pH 2.5
- no more wear due to abrasion
- long-lasting effect
- no building inspection approval required
- effectiveness tested at TU Munich in 2002

## Properties

- |                                    |                                    |
|------------------------------------|------------------------------------|
| • form                             | liquid                             |
| • colour                           | slightly yellow                    |
| • working time (minimum 5 degrees) | depending on substrate             |
| • rainproof                        | after 5 hours                      |
| • hard enough to walk on           | after 30 minutes                   |
| • fully cured                      | > 28 days                          |
| • further coats                    | > 48 hours, depending on substrate |

\*depending on weather conditions such as wind, humidity, temperature and also on the substrate

## Range of sizes

- |                  |            |
|------------------|------------|
| injection bottle | 0,5 liter  |
| can              | 2,5 liter  |
| can              | 5,0 liter  |
| can              | 25,0 liter |
| or larger        |            |

## Storage

Indefinite, if unopened, otherwise use within 6 months.

Protect from frost.

## Usage

depending on the condition of the substrate approx. > 0.3 litre/m<sup>2</sup>

## Composition

Sodium silicate + catalyst



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# Preserve, protect and waterproof!