



# INSTRUCTIONS FOR USE

## HTC Cure+

**Read all information before use!**

### I USAGE AREA

HTC Cure+ is an advanced highly reactive mixture of Potassium and Lithium silicate densifier for concrete and mineral materials such as cementitious screeds and terrazzo. It can be used in the HTC Superfloor process as well as a final treatment of the floor.

### II PRODUCT DESCRIPTION

Using water glass to densify concrete is an old and well-tested technology. The water glass composition is important for achieving optimum results. Water glass silicic acid reacts with the free calcium in the concrete which progressively react to a glass-like crystalline structure and form calcium silicate hydrate (CSH). The pores becomes "glazed in" and the top surface of the concrete is densified. It makes the concrete more durable and less prone to dust.

Meanwhile, the pH and RF value (Relative Humidity) on the treated surface is lowered.

Penetration by liquids and dirt decreases but the surface remains diffusion open.

HTC Cure+ in combination with grinding and polishing yields:

- Increased durability
- Improved acid tolerance
- Increased temperature resistance
- Reduced dust formation
- Reduced penetration of liquids
- Corrosion protection for reinforcement



### III SURFACES

The concrete surface must be dry, free of contaminants, paint and adhesive residues, which otherwise prevents liquid penetration. We recommend grinding the surface up to between 150 and 400 grit, and that the floor is vacuumed thoroughly before application of HTC Cure+.

Temperature: substrate temperature should be between +5°C and +35°C.

Avoid direct sun radiation. Underfloor heating should be turned off.

### IV MIXING

For application in the grinding process: Mix one part HTC Cure+ with one part water (1:1).

For application on finished surface: Use HTC Cure+ undiluted. Only mix the needed amount. Mixed product should not be saved for later usage since the quality can be decreased of i.e lime in the water.

### V APPLICATION

When applied in the grinding process: use HTC Cure+ diluted with water 1:1. The liquid is applied with a pressure sprayer or mop. On dry more absorbent areas, apply more HTC Cure+. Impregnation should keep the surface wet for at least 20 minutes. Avoid puddles. Excess can be removed with a squeegee after 30 minutes. When applied to the finished surface: Use undiluted HTC Cure+. Apply with a pressure sprayer and distribute with a polish applicator. Avoid getting "brushstrokes" on the surface. Distribute a uniform film over the surface. Allow the surface to dry and polish if necessary with Twister Green on a High Speed Machine the next day (after 8-10 hours).

### VI HARDENING

The surface is dry (walkable) after 2-3 hours. Grinding is normally continued the next day (after 8-10 hours). The surface should not be exposed to water until after 48 hours.

### VII CONSUMPTION

Average consumption of HTC Cure+ is about 0.06 to 0.18 l/m<sup>2</sup> pure product, or about 0.12 to 0.36l/m<sup>2</sup> diluted product (1:1), depending on concrete absorption.



## VIII STORAGE

Keep from freezing. Unopened container should be stored in dry and cool place.  
Once opened use as soon as possible.

## IX CLEANING

Water.

## X ENVIRONMENT

HTC Cure+ is harmless after drying. Do not pour out remaining liquid in the drain.  
Empty packaging can be recycled.

## XI OTHER INFORMATION

Adjacent areas should be covered. Avoid splashing on surfaces of glass or aluminum, since the product reacts permanently with these materials. Good ventilation should be provided during application. Observe special safety measures if the product is sprayed. Keep out of reach of children. In case of contact with eyes: rinse immediately with water and seek medical advice. Take immediately off contaminated clothes. In case of contact with skin: wash immediately with soap and water. If swallowed: seek medical advice immediately and show container or label.  
For further information please refer to Material Safety Data Sheet.

### **SUPPLIER:**

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