

### PRODUCT DESCRIPTION

CHSP™100 is a ready-mixed dry shake hardener to be applied on freshly laid, damp concrete surfaces. CHSP™100 is made of pure, specially granulated quartz, Dynagrip and a special cement based on Portland cement. The recommendations above diminish the risk of surface cracks and lime deposits. CHSP™100 absorbs moisture considerably faster than competing products, which facilitates and ensures a better final result.

### PRODUCT FEATURES

- CHSP™100 is classified as very heavy duty concrete according to EU 206-1.
- CHSP™100 is self-polishing - the more wear, the better finish.
- CHSP™100 (light colors) reflects light.
- CHSP™100 does not attract marks from forklift wheels.
- CHSP™100 replaces epoxy and polyurethane paint and has better wear resistance.
- CHSP™100 is applied on freshly laid damp concrete.
- CHSP™100 contains no metal aggregate and therefore does not rust.
- CHSP™100 resists grease, some solvents and low alkaline solutions.
- CHSP™100 is non-slip and easy to maintain

### Abrasion

The hardest attack on concrete comes from abrasion due to wear and tear from cars, machines, forklifts and pedestrians. Independent test results show that CHSP™100 increases wear resistance up to 20 times. See table below according to British Standard (EN/BS 13892-4:2002 and EN/BS 8204-2:2003).

### Achieving More Colors

It is important to remember that that concrete base contains different kinds of ballast, cement, water and additives. The concrete will vary more or less from time to time and this will affect the end result. It is hard to control this 100% but below you will find some points to take into consideration, which can help to achieve a better result.

- Make sure that the concrete is of good quality. Lower slump and higher cement content will diminish eventual problems.
- Try to apply CHSP™100 as late as possible.
- When using plastic film and water, make sure that the plastic stays in place during the first 14 days and that it covers the entire floor during this time.
- Avoid walking on newly laid CHSP™100 with dirty shoes. This is extra important on lighter colors (white, yellow, light grey and beige).
- Avoid pans and blades of inferior quality. These can leave burn marks that darken the surface. Use LC Composite pans on lighter colors.
- Hand tools, pans and blades should be clean and free from concrete residues.
- When working with petrol/diesel powered machines, do not fill the tank on the newly laid concrete.
- Avoid trowelling too hard, especially on light colored floors.

### TECHNICAL DATAS

|                               |  |
|-------------------------------|--|
| Color                         | Gray                                       |
| Compressive Strength          | 85 N/mm <sup>2</sup>                       |
| Tensile Strength              | 8.3 N/mm <sup>2</sup>                      |
| Specific Gravity              | 2.25g/cm <sup>3</sup>                      |
| Abrasion in mm after 2800 rev | 0.01 mm                                    |
| Suitable Water Cement Ratio   | 0.57 to 0.60                               |
| Recommended Plasticizers      | Naphthalene Polymers and Melamine Polymers |
| Not-recommended Plasticizers  | Polycarboxilite                            |

### APPLICATION

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### LIMITATIONS

- Design calculations must be achieved by a professional company.
- Concrete deterioration and steel corrosion must be resolved prior to application
- Only apply this product when the ambient temperature is within the temperature range of the approved epoxy adhesive. Minimum application temperature is 4°C
- Do not add cement, sand, aggregate or admixtures. Follow ACI recommended practices.

### PACKAGING

25 kg bag.

### STORAGE

Unless otherwise specified, it should be stored in a dry, cool and rain-proof area. It is recommended that the room temperature and humidity should be always maintained at 4°C~40°C and below 75% respectively.

### HANDLING

Approved personal protection equipment should be worn at all times. Particle mask is recommended for possible airborne particles. Gloves are recommended when handling fabrics and resins to avoid skin irritation. Safety glasses are recommended to prevent eye irritation. Wear chemical resistant clothing/gloves/goggles. Ventilate area. In absence of adequate ventilation, use properly fitted respirator.

#### **CLEANUP**

Dispose of material in accordance with local disposal regulations. Uncured material can be removed with approved solvents. Cured materials can only be removed mechanically.

#### **FIRST AID**

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water; contact physician immediately. For respiratory problems, remove to fresh air. Wash clothing before reuse.

#### **DISCLAIMER OF LIABILITY**

AFZIR, LLC warrants its products to be free from manufacturing defects. Buyer determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to replacement of product. Any claim for breach of this warranty must be brought within six months of the date of purchase.

AFZIR shall not be liable for any consequential or special damages of any kind, resulting from any claim or breach of warranty, breach of contract, negligence or any legal theory.

The Buyer, by accepting the products described herein, agrees to be responsible for thoroughly testing