

CEMTEC SILHARD

HARDENING, SEALING AND DUSTPROOFING COMPOUND

CEMTEC SILHARD is a sprayable sodium silicate based compound for surface application to harden, seal and dustproof concrete. It can be used on all new concrete surfaces whether fresh or already cured and can be used on older, dusting concrete surfaces.

PRIMARY APPLICATIONS

- Interior or exterior horizontal concrete
- Educational and medical facilities
- Offices and residential buildings
- Warehouse floors
- Food storage areas; car parks
- **CEMTEC SILHARD** is often used to cure concrete

FEATURES / BENEFITS

- Seals, hardens and dustproofs in one operation
- No solvent vapors when applying
- Mortar and concrete can be easily removed from a **CEMTEC SILHARD** treated floor
- Resists penetration of oil and chemicals and deteriorating actions of salts
- Equipment can be cleaned with water
- Can be tiled over

NOTE : Improved stain resistance can be achieved with **CEMTEC HARD N TUFF**

SPECIFICATIONS / COMPLIANCES

- Complies with Federal Specifications and Corps of Engineers Specification for sodium silicate concrete surface treatment.
- Authorized by U.S.D.A. for use in federally inspected meat & poultry plants.

PACKAGING

CEMTEC SILHARD is packaged in 210 Ltr. drums and 20 Ltr. pails

TECHNICAL INFORMATION

Typical Performance

Applications	Cure Time
Foot Traffic	4-6 hours
Wheel Traffic	24 hours

COVERAGE

3.8 liter of **CEMTEC SILHARD** will cover from 14 to 56 m² of concrete surface depending upon the porosity of the concrete and job requirements. The following rates of coverage quoted in m²/liter are approximate.

	Rough Finish	Finely Textured	Well Troweled
Fresh Concrete	7.4	9.8	12.3
Newly Cured			
Bare Concrete	4.8	7.4	9.8
Floors to be Tiled			12.3
Dusting Concrete or Terrazzo		7.4	12.3

Additional Coats-After initial coat, additional coats may be required to seal the surface. The coverage will increase with each additional coat.

DIRECTIONS FOR USE

Surface Preparation - The concrete surface must be clean, dry and free of any contaminant or coating which may interfere with the penetration of **CEMTEC SILHARD**.

Mixing - **CEMTEC SILHARD** is ready to use and requires no pre-mixing.

Placement - Apply **CEMTEC SILHARD** to a concrete surface in a continuous film. Best results will be achieved with a hand or power sprayer although a soft bristle broom or squeegee may also be used. Brush out all puddles and runs immediately. Concrete abrasion resistance increases with additional coats of **CEMTEC SILHARD**. Each coat must be thoroughly dry before applying a succeeding coat. Commence application at the edges of the slab after screeds have been removed because drying the concrete will begin in those areas.

CLEAN-UP

Clean brushes, tools, equipment and flush sprayer with potable water immediately after use.

PRECAUTIONS / LIMITATIONS

- Protect metal, glass, wood, paint or brick from contact with **CEMTEC SILHARD**. If accidentally misapplied, wash surface with potable water immediately.
- If added abrasion resistance is required in new construction, consider the use of a dry shake floor hardener. See CEMTEC DRY SHAKE, CEMPLATE, CEMPLATE HD data sheets.
- Allow the product to dry 4-6 hours before exposure to foot traffic.
- If excess **CEMTEC SILHARD** is left on the concrete surface, a white residue may form and should be removed by scrubbing immediately.

QUALITY STATEMENT

CMCI manufacture its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with Quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high performance construction products. CMCI also offers full technical field support to consultants, Architects, Contractors, applicators and End Users

The Technical Specification information and recommendation given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product. CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no guaranty and or responsibility is assumed on the performance of work completion executed with use of our products.