

CEMPLATE

METALLIC FLOOR HARDENER

CEMPLATE is a dry shake, metallic floor hardener with cleaned and graded iron aggregate in a high strength cementitious binder. **CEMPLATE** is designed to be incorporated into fresh concrete slabs and provides a dense, tough surface capable of withstanding the abrasion and impact loading which is required of floor slabs in numerous industrial and manufacturing facilities.

PRIMARY APPLICATION

- Industrial floors
- Warehouses
- Processing plants
- Passenger and freight terminals
- Loading docks
- Industrial flooring

FEATURES / BENEFITS

- Provides a high strength wearing surface.
- Gives up to 8 times the abrasion resistance of plain, cured concrete.
- Iron aggregate is free of rust, oil, and non-ferrous materials.
- Dense surface resists penetration of oil, grease, and many other liquids.
- Virtually non-dusting in service.
- Easy to clean and maintain.
- Economical to own over the life of the floor.

PACKAGING

CEMPLATE is packaged in 25 kg bags.

TECHNICAL INFORMATION

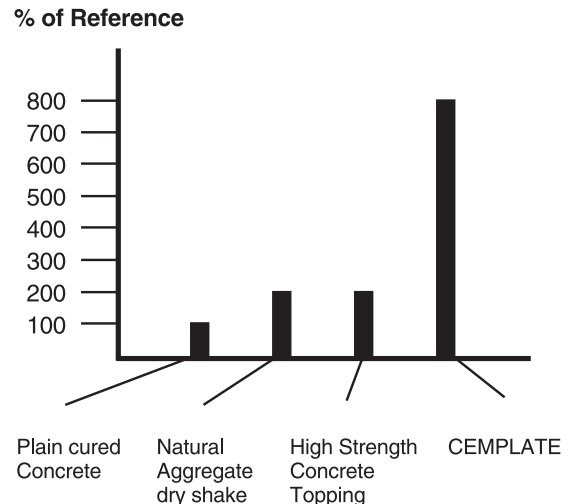
Typical Engineering Data

Compressive Strength

ASTM C 109 50mm cubes

Age	Strength
1 day	4,000 psi (27.6 MPa)
3 days	5,000 psi (34.5 MPa)
7 days	7,000 psi (48.3 MPa)
14 days	9,000 psi (62.1 MPa)
28 days	10,000 psi (69.0 MPa)

RELATIVE ABRASION RESISTANCE ASTM C 779 MAXIMUM RANGES



COVERAGE

CEMPLATE may be used in the range of 3.6 - 7.3 kg/m². The higher the application rate, the better the abrasion resistance. Greater application rates may be used following consultation with CMCI Technical Department.

DIRECTION FOR USE

The contractor and engineer are encouraged to consult and review the CMCI "**Application Instructions - Dry Shake Floor Hardeners**". The documents offers instructions detailing the general installation of dry shake floor hardeners. **Curing and Sealing** - The following products are recommended for curing and sealing **CEMPLATE**. Each has its own advantages and unique properties. The individual technical data sheet for each curing and sealing product should be consulted. In case of difficulty please contact the local CMCI representative for recommendations regarding specific projects.

CURING

Solvent Based
KURECOTE DR*
V.O.C. Compliant
KURECOTE 75 VOX

SEALING

Solvent Based
CEMTEC FLOOR SEALER
V.O.C. Compliant
CEMTEC SILHARD*

*If the floor surface will later be frequently exposed to solvents, hydraulic fluid, etc., cure the floor with KURECOTE DR applied at 9.8-12.3m²/liter. After 4-6 weeks and exposure to traffic and sunlight, the KURECOTE DR may be removed with mechanical scrubbers. Seal the floor with **CEMTEC SILHARD** applied at 8.6 - 9.8 m²/liter. Consult the individual product data sheets for suitability and application information.

CLEAN-UP

Clean tools and equipment with water before the material hardens.

PRECAUTIONS / LIMITATIONS

- Proper curing and sealing is required.
- Sufficient manpower is a must-approximately 1 finisher and 1 laborer per 74-93m² per day is necessary to place and finish concrete with a dry shake floor hardener.
- Air-entraining admixtures may complicate finishing operations. Air content must be limited to not more than 3%.
- Not recommended for floors subjected to acids or other corrosive chemicals.

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.