

# CEMTEC SR

## FOR EXPOSED AGGREGATE SURFACE

**CEMTEC SR** are chemical formulations which retard, but do not “kill”, the set of the mortar at the surface of concrete. They contain organic agents which react with the calcium, magnesium and aluminate ions of the cement to slow the curing cycle and thus allow the surface mortar to remain workable for a longer time. When the concrete has hardened to 1500 psi, or about 1 day, the retarded mortar surface can be flushed off with a stream of water and/or removed by scrubbing with a stiff brush. Since these compounds do not “kill” the set, if they are left on the concrete or unintentionally splashed on other fresh concrete, they will permit the concrete to eventually attain a set and achieve full strength. **CEMTEC SR** are available in two formulations to meet varying job requirements.

**Formula F** is a paint-like emulsion designed for application directly to forms.

**Formula S** is a neutral, sprayable liquid for application to freshly placed horizontal concrete surfaces.

### WHERE USED

**CEMTEC SR** are used to create exposed aggregate surfaces on precast panels or slabs for architectural aesthetics, to roughen concrete walls for improved bonding of water-proofing or plastering and to expose walkways, curbs and roadway surfaces for both architectural and slip resistant purposes.

### ADVANTAGES

- Safe to use - easy to apply.
- Works quickly and effectively.
- Provides up to 6 mm depth retardation.
- Reduces cost of preparing surfaces for waterproofing, stucco or plaster application Eliminates need for sandblasting.

### DIRECTIONS FOR USE

#### **Formula F for forms :**

Forms to be coated should be clean and free of oil and dirt. **CEMTEC SR**, Formula F, should be painted on forms without thinning in a continuous unbroken film. Forms may be coated several

days in advance or in as short a time as will allow complete drying of the film. Drying time varies between one and four hours depending on weather conditions. In warm weather, forms may be stripped in one day, in cooler weather allow two to three days. Precast structural members should be stripped from their forms in their usual time and the surface mortar then removed.

#### **Formula S for horizontal surfaces :**

**CEMTEC SR, Formula S**, is applied to freshly placed horizontal concrete surfaces immediately after final finishing operations. It should be applied preferably by low pressure spray and the treated surfaces then covered to prevent too rapid evaporation. The retarded mortar should be flushed off with water in 12 to 24 hours after application depending upon weather conditions.

### RECOMMENDED COVERAGE

**Formula F -** One gallon will cover 150 sq. ft. and provide up to 1/4" depth retardation. One litre will cover 4 m<sup>2</sup> and provide 6mm depth retardation.

**Formula S -** One gallon will cover 100-200 sq. ft. and provide from 1/8" to 3/16" depth retardation. One litre will cover 2½ to 5m<sup>2</sup> and provide 3 to 5 mm depth retardation.

#### 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.