

# CEMTEC CONGUARD XTRA

## SILOXANE PENETRATING WATER REPELLENT



### DESCRIPTION

**CEMTEC CONGUARD XTRA** is a siloxane based penetrating sealer designed specifically for the treatment of masonry materials and concrete surface. CEMTEC CONGUARD XTRA protects concrete and masonry surfaces from the effects of exterior exposure and weathering. CEMTEC CONGUARD XTRA penetrates deep into the surface pores and reacts chemically to provide a durable, long lasting barrier against water and salt intrusion. This can substantially reduce the damaging effects of acid rain, efflorescence and dust/dirt degradation.

### FEATURES & BENEFITS

- Deep penetrating pore action for long lasting protection.
- Preserves a natural appearance without membrane build-up.
- Provides a highly efficient barrier to water and salt ingress.
- Allows concrete and masonry surfaces to maintain breathability while providing high water repellency characteristics.
- Easy to use requiring only low pressure spraying equipment or brushes and rollers.
- Economical to use because of its durability enabling it to last for many years.

### BASIC USES

- Concrete and masonry block.
- Natural Stone.
- Brick facings.
- Precast Concrete.
- Clay Brick.
- Exposed aggregate.
- Stucco
- Chimney columns.
- Architectural concrete.

### TECHNICAL INFORMATION.

#### Typical Engineering Data

The following results were developed under laboratory conditions:

Solvent Carrier	- Mineral Spirits.
Active Ingredient	- Siloxane
Flash Point	- 112 °F. (44°C)
Shelf Life	- 1 year (exposure to moisture causes gellation).
Water Absorption	- ASTM C 67
multi-celled brick	- 0.259%
Surface 24 hr. immersion	
Drying Time	- 4 - 6 hours.
Traffic	- 6 - 8 hours.

### Appearance

CEMTEC CONGUARD XTRA is a clear liquid which dries transparent. After placing, the colour of the concrete may initially appear darker than the surrounding concrete. As the sealer cures and dries out, the appearance of the treated concrete will be nearly unaffected in dry weather. Treated concrete will bead water.

### DIRECTIONS FOR USE

#### Surface Preparation

All surfaces to be treated should be clean and free from all dirt, dust and other forms of contamination that could prevent CEMTEC CONGUARD XTRA penetration. Any membranes present on the surface must be completely removed. Protect adjacent glass and metal surfaces from overspray or accidental contamination. All joint materials should be installed before CEMTEC CONGUARD XTRA application. Surfaces should be in a dry or damp condition without being saturated.

#### Mixing

CEMTEC CONGUARD XTRA is ready to use and requires no pre-mixing. Placement - The preferred method of application is with a low pressure sprayer. Brushes or rollers may also be used if enough material can be applied to assure uniform coverage. Use CEMTEC CONGUARD XTRA directly from the container. Nodilution is necessary or permissible. Apply in a uniform manner working back and forth lapping the previous pass. Avoid extra heavy build-up in isolated areas. Application in two passes is recommended to assure complete, uniform coverage. After the first pass has been completed, come back over the same area with the second pass so that a wet-on-wet process is assured. Passes should follow each other within 15 minutes.

### CLEAN UP

Tools and equipment may be cleaned with CEMTEC SOLVENT, xylene, toluene or mineral spirits.

<b>COVERAGE</b>	Required coverage rates will vary greatly depending on surface density and porosity. In some cases, test sections may be necessary to determine rates of consumption . In general, coverage rates of 100-150 ft <sup>2</sup> / gal. (2.4 - 3.7m <sup>2</sup> / litre) are recommended.
<b>PACKAGING</b>	CEMTEC CONGUARD XTRA is available in 210 litre drums and 20 litre pails.
<b>COLOR</b>	Contact CMCI tech dept.

## PRECAUTIONS & LIMITATIONS

- Do not use over membrane forming sealers.
- Masonry temperature at the time of application should be above 40°F.(4°C.)
- New concrete and masonry surfaces should be a minimum of 14 days old and should be surface dry before CEMTEC CONGUARD XTRA application.
- Confined or internal areas must be properly ventilated.
- Protect adjacent areas from overspray.
- Do not traffic until the product has cured and dried.
- All jointing materials should be installed before CEMTEC CONGUARD XTRA application.

CMCI manufactures 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 recommendations 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.

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