

CEMTEC BARRIER SEAL

ACRYLIC CONCRETE PROTECTIVE COATING



DESCRIPTION

CEMTEC BARRIER SEAL is a pigmented acrylic copolymer that provides a protective coating for all concrete and masonry surfaces. It will not yellow on exposure to sunlight. When applied to concrete, it bonds tenaciously forming an inert, impervious film that is resistant to the alkali from fresh cement as well as acids, salts and many construction stains.

FEATURES & BENEFITS

- Resist discoloration from ultra violet light.
- Hides waviness in concrete color shades.
- Acid and alkali resistant.
- Seals out dirt and other staining materials.
- Compatible with caulks and paints.
- Protects surfaces from rain and weathering.

BASIC USES

- Concrete and masonry walls.
- Precast members.
- Unglazed bricks and clay tiles.
- New Jersey Barriers and Bridges abutments.
- Exterior masonry surfaces.

DIRECTIONS FOR USE

Surface preparation

All surfaces to be sealed must be dry, structurally sound and free of oil grease, dirt and other contaminants that could prevent penetration of **CEMTEC BARRIER SEAL**. Use high pressure power wash equipment if available. Any membranes present on the surface, such as curing compounds or release agents, must be removed completely. Repairs to surface or joints should be complete and fully cured prior to application of sealer.

Protect adjacent glass and metal surfaces from overspray or accidental contamination. All joint materials should be installed before application of **CEMTEC BARRIER SEAL**. Surfaces may be dry or slight damp, but not saturated, at the time of

Mixing

CEMTEC BARRIER SEAL is ready to use and requires no pre mixing. However, stirring the contents of the container for three minutes is recommended.

This material can be easily applied by roller, Brush or Spray. in a uniform manner, working back and forth while tapping the previous pass. Avoid heavy build up and runs or drips for uniformity of appearance. Apply second coat two to four hours after first coat has dried thoroughly.

Placement

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Clean up

Tools and equipment should be cleaned with **CEMTEC SOLVENT**, XYLENE, or toluene immediately after use. Run cleaning solution thoroughly in spray equipment to remove residual material and prevent clogging of the nozzle in future use.

PRECAUTION & LIMITATIONS

- Material will not freeze in storage but should be allowed to rise to 50°F (10°C)
- Do not apply to concrete surfaces or at ambient temperatures below 32°F (0°C).
- Do not apply to saturated surfaces or over standing water.
- Use with adequate ventilation and keep away from open flames.
- If solvent fumes are objectionable, the use of water based sealer from CMCI might be advisable.
- Avoid Subjecting the coating for any traffic for the first week.

TECHNICAL INFORMATION

Typical Engineering Data

The following results were developed under laboratory conditions.

Appearance	Pigmented Low Gloss
Drying time	1/2 hour
Acid resistance	good
Alkali resistance	good
U-V resistance	good
Flashpoint	110° F (43°C)

Appearance

CEMTEC BARRIER SEAL is a pigmented acrylic liquid which dries to a Low-Gloss film.

COVERAGE	Application*	Coverage m²/ liter.	It is recommended to apply two coats on most surfaces. Follow recommended coverage rates. Avoid excess build-up.
	Horizontal	6.1-8.6	
	Vertical Precast Reinforced Concrete	7.3-9.7 6.1	
	Concrete Block	4.9	
PACKAGING	Available in 20 liters		
COLOR	Available in Grey, light grey and upon request		

Quality Statement

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 warranty and or responsibility is assumed on the performance of work completion executed with use of our products.

"High Quality Construction Chemicals"
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