

CEMTEC HARDSEAL VOX

VOC COMPLIANT ACRYLIC SEALER FOR ARCHITECTURAL CONCRETE

CEMTEC HARDSEAL VOX is a high performance, water based, acrylic sealer designed as a V.O.C. compliant, low odor, non-yellowing, product. **CEMTEC HARDSEAL VOX** bonds tenaciously to sound concrete. **CEMTEC HARDSEAL VOX** is designed for exterior use.

PRIMARY APPLICATIONS

- Exposed aggregate concrete for exterior slabs
- Walls and columns
- Precast panels
- Parking decks
- Driveways & sidewalks
- (Note : For interior floor slabs, **CEMTEC FLOOR SEALER VOX** is recommended.)

FEATURES / BENEFITS

- Provides a totally clear membrane for new or existing concrete surfaces
- Compatible for application over most curing compounds
- Will not yellow under ultraviolet exposure
- Fast drying and easy to apply
- Seals and dustproofs by impregnating surface pores and forming a hard, durable film
- Good resistance to traffic and abrasion
- Reduces cleaning and maintenance costs

SPECIFICATIONS / COMPLIANCES

- Meets all federal and state solvent emissions standards including California Air Regulation Board, New York and New Jersey state requirements.

TECHNICAL INFORMATION

Typical Engineering Data

The following results were developed under laboratory conditions.

***Drying times**, ASTM D-1640 22°C, 50% RH.

Touch	: 10 mins
Hard	: 30 mins
Re-coat time	: 1-2 hours

* The drying time of water based materials is directly influenced by temperature and relative humidity. Low concrete or air temperatures and / or high relative humidity will extend drying times.

Adhesion to concrete, > 300 psi (>2.1 MPa)

ASTM D 4541 Concrete failure

Intercoat Adhesion: > 300 psi (>2.1 MPa)

ASTM D-4541 no intercoat failure

Weatherometer testing,

ASTM G053 1000 hours

ultraviolet resistance	no yellowing
chalk resistance	no chalking
check/peel resistance	no deterioration

Viscosity ,	ASTM D-2196	13 CPS
pH ,	ASTM E-70	8.5
Taber abrader , ASTM D-4060, 350 cycles film @ 7.4 m ² /liter	No wear through	
Shelf Life : 2 years in unopened containers in warehouse conditions.		
Chemical Resistance ASTM D -1308		
Weak Acid	Poor	
Weak Alkalies	Good	
Salts	Excellent	
Motor Oil	Good	
Gasoline	Poor	
Brake Fluid	Poor	
Anti Freeze	Good	

COVERAGE

Textured Concrete : 5-7 m²/liter

Smooth Troweled : 6-8.5 m²/liter

Follow recommended coverage rates, avoid excessive build-up of material.

PACKAGING

CEMTEC FLOOR SEALER VOX is packaged in 210 Ltr. drums and 20 Liter pails.

DIRECTIONS FOR USE

Surface Preparation - New concrete should be cured with a quality curing compound designed for the particular application. Contact your local sales representative or distributor for specific product recommendations. For architectural concrete, cure with **CEMTEC HARDSEAL VOX** or **SUPER CEMTEC HARDSEAL VOX**. Concrete surfaces to be treated should be clean, dry and free of dirt, oil, grease, loose scale or other contaminants which may adversely affect adhesion. Power washing is sufficient in most cases. **CEMTEC HARDSEAL VOX** is compatible with most curing compounds (including solvent based curing compounds) which may be present on the existing concrete surface. Old bare concrete surfaces must be clean prior to application.

Mixing - **CEMTEC HARDSEAL VOX** is a single component product which requires no pre-blending prior to placement. **CEMTEC HARDSEAL VOX** should be used directly from the container.

Placement - Spraying is recommended and preferred method of application. Spraying produces an even, continuous film that effectively seals the surface. Either hand pump or industrial power sprayer may be used for application. If spray application is not desirable, the product may be applied by squeegee or cloth mop. Apply in a uniform manner, avoid puddling and excessive overspray to ensure an even application.

“High Quality Construction Chemicals”

Badly worn and porous areas may require additional applications to attain a uniform seal and surface gloss. When applying to walls and columns, care should be taken to avoid streaking and runs. For anti-spalling treatment, a second coat is recommended.

CLEAN-UP

Tools and equipment may be cleaned with warm soapy water.

PRECAUTIONS / LIMITATIONS

- Do not use as bond breaker for tilt-up construction.
- Do not apply over concrete to receive toppings, epoxy or urethane based coatings or adhesives
- When used as a sealer on old concrete, the film may become translucent or opaque when exposed to moisture.

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.