



DATA SHEET

PRODUCT NAME

ChemCoatz™

MANUFACTURER

Concord Sealers, 60 Centenary PL,
Logan Village, Queensland

Telephone: +61 755 4700 52

Website: www.concordsealers.com.au

PRODUCT DESCRIPTION

CHEMCOATZ™ chemically reacts with soft free lime and calcium carbonate compounds in concrete forming dense, insoluble, chemically resistant flint-like surfaces.

CHEMCOATZ™ is a VOC-compliant, colourless solution of a carefully controlled concentration of 100% active sodium silicate chemicals with a non-acid penetrant.

CHEMCOATZ™ may be applied as a concrete cure as well as a chemical hardener and dustproof.

Basic Use: **CHEMCOATZ™** is recommended for industrial plants and warehouses such as textile mills, automotive, truck and farm machinery plants, truck and bus terminals, and laundries, as well as, in food processing plants such as meat packs, canning factories, breweries, and bakeries. It is also appropriate for areas with frequent foot traffic such as civic centres, sports arenas, stadiums and other commercial buildings.

FEATURES & BENEFITS

Complete chemical change of free lime and calcium carbonate compounds to flint-like wear-resistant materials. Residue-free surface allows proper bond of varied paints, adhesives or toppings.

- Low odour
- Fast curing

USES

ChemCoatz™ is recommended for light industrial plants, warehouses, laundries, as well as in food storage plants and bakeries. It is also appropriate for areas with frequent foot traffic such as civic centres, sports arenas, stadiums and other commercial buildings

ADVANTAGES

- A low-cost treatment for exposed concrete surfaces
- Residue-free surface allows bond of various paints, adhesives or toppings
- Low odor
- No solvent vapors
- Fast drying

SUITABLE SUBSTRATES

- Existing Concrete
- Freshly Poured Concrete

PACKAGING

CHEMCOATZ™ is available in:

- 5L
- 20L
- 200L
- 1000L

containers. Containers are identified with product name and batch number.

APPROXIMATE COVERAGE

Typical Application Rate: 300 ft²/gal (7.3 m²/L) Two coats recommended.

SHELF LIFE

Containers are to be sealed and stored in a cool, dry place above 40°F (4°C). Shelf life is two years in unopened containers when properly stored. Do not allow to freeze.

LIMITATIONS

- Apply when concrete surface temperatures are 4°C and rising
- Apply to oil-free and thoroughly cleaned sound concrete surfaces
- Provide adequate ventilation in enclosed areas to facilitate proper drying
- Do not puddle

CAUTIONS

- Keep from freezing
- Wear protective gloves and goggles
- Avoid prolonged skin contact and absolutely no contact with all food stuffs
- Please refer to the material safety data sheet (SDS) for more detailed information
- Mock-ups and field test areas are required in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti-dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the decorative flooring system.

TECHNICAL DATA

Applicable Standard

- Fed. Spec. CECS 03300 4-79,
- ACI 302, Class 1 through 4 Concrete Floors

Physical Properties

Property	Observed
Viscosity	Water like
Color	Clear
Type Solids	Sodium Silicate
VOC g/L	0

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

INSTALLATION

Old Concrete: Surfaces must be sound and clean. All residue, oil, sealers, waxes, contaminants and laitance must be removed from surfaces for maximum penetration. Remove unsound concrete and repair holes, cracks and deteriorated areas. Apply two or more uniform coats at the rate of (7.3 m²/L) for each coat as needed. Allow a minimum of 4 hours between coats. Apply to oil-free and thoroughly cleaned concrete sound surfaces. Provide adequate ventilation in enclosed areas to facilitate proper drying. Do not puddle.

New Concrete: Spray first coat uniformly after surface water glaze is gone at the rate of (7.3 m²/L). Apply second coat uniformly at the same rate in the opposite direction. Squeegee or wipe up all puddling. Fresh concrete placed in enclosed areas without adequate ventilation will hold water in concrete causing a super saturated condition. When CHEM HARD is applied in such conditions, it may build on surfaces creating a very slippery jelly-like silicate residue. Flush with water and squeegee off residue before it dries. Re-apply CHEMCOATZ™ after floor has thoroughly dried.

AVAILABILITY AND COST

AVAILABILITY

Concord Sealers materials are available Australia wide.

For Distributor information, Call:
Concord Sealers, 60 Centenary PL,
Logan Village, Queensland

Telephone: +61 755 4700 52

Website: www.concordsealers.com.au

COST

Contact Concord Sealers for a direct quote.

WARRANTY

Contact Concord Sealers for Warranties.

MAINTENANCE

The long term performance, appearance, and life expectancy of wear surface products are critically dependent upon a good routine maintenance program designed specifically for the installed wear surface type, traffic, and other conditions. Properly placed walk-off mats, inside and outside will help increase the life of the floor. Some cleaning products and equipment or improper use of products can damage a wear surface appearance over time. Frequency of washing will vary, as it may be necessary daily, weekly or less frequently depending on floor usage and age.

A mechanical walk-behind or ride-on scrubber is an efficient and economical means of regularly cleaning concrete floors. Only soft scrubbing or soft brush attachments should be used when mechanically scrubbing your floor. Do not use aggressive abrasive pads or brushes. The use of black scrubbing pads, diamond impregnated pads or carbide impregnated type brushes may dull the surface gloss. Wet mops work well on small floors or places where a mechanical scrubber will not fit.

TECHNICAL SERVICES

Technical Assistance

Information is available by calling Concord Sealers.

Telephone: +61 755 4700 52

Website: www.concordsealers.com.au

Technical and Safety Literature

To acquire technical and safety literature, please visit our website at www.concordsealers.com.au

