

CS 25™



DESCRIPTION

CS 25 is a styrene acrylate copolymer compound that cures and forms a protective membrane for exterior and interior concrete. It produces a continuous film, which effectively cures fresh concrete and protects concrete surfaces from intrusion of water, water borne contaminants, and dirt. **CS 25** produces a medium gloss.

APPLICATIONS

CS 25 is an extremely effective curing agent when applied to fresh plastic concrete. **CS 25** is a more effective than most curing compounds. Its ability to hold moisture in the fresh concrete creates optimum conditions that allow the concrete to reach its ultimate strength and durability through the process of hydration. **CS 25** can be used on exterior or interior concrete. Its use can also minimize crazing and shrinkage cracks. When applied to hardened concrete, **CS 25** becomes an effective sealer that protects the concrete from water, de-icers, salts, and other mild chemicals. **CS 25** can be used to seal interior or exterior hardened concrete. **CS 25** prevents concrete from dusting and dirt penetration.

FEATURES/BENEFITS

- High solids content allows concrete to develop full design strength by promoting optimum hydration of cement.
- Increases the abrasion resistance of concrete
- Protects concrete from de-icers, salts, and other mild chemicals
- Seals concrete creating a medium gloss making surfaces easier to clean
- Dustproofs concrete by forming a tough durable film

SPECIFICATIONS

- ASTM C-1315, Type I & II, Class A
- ASTM C-309, Type I, ID & II, Class A & B
- AASHTO M-148, type I & ID, Class A & B
- Complies with National Volatile Organic Compound Emission Standards for Architectural Coating, Federal EPA Regulation 40 CFR Part 59

TECHNICAL NOTE

The following results were established under laboratory conditions.

Drying Time* @ 70°F, 50% R.H

Dry to Touch 1 Hour

Light Traffic 8 Hours

Heavy Traffic 12 Hours Solids: 25%

V.O.C. content: 680 gm/L

Flash Point 105°F (40°C)

*High relative humidity or low concrete or air temperature will extend drying time.

PACKAGING

CS 25 is packaged in 55-U.S. gallon drums and 5-gallon pails. 36 pails are shipped on a pallet.

COVERAGE

*Coverage is dependent upon surface texture and porosity. Coverage below is based upon hard troweled finish.

Curing 300 Ft.2/gal 7M2/L

Sealing

And Dustproofing 300 Ft.2/gal 7M2/L

Opt. second coat 400Ft.2/gal 10M2/L

CLEANUP

Clean tools immediately after use with xylene, xylol, or toluene

STORAGE

Store tightly closed containers away from direct sunlight and sources of heat or flame. Shelf life is one year from date of manufacture.



PREMIERE CONCRETE SOLUTIONS

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CS 25™

PRECAUTIONS/LIMITATIONS

- **CS 25** should not be used on surfaces to receive concrete overlays or toppings.
- Not resistant to gasoline or hydraulic fluids.
- Do not use in areas subjected to hot grease or cooking oils, including peanut oil.
- Do not use as a bond breaker for tilt up construction.
- Do not apply to joints or channels scheduled to receive elastomeric caulks.
- Do not use if ambient or surface temperature is below 40°F (4°C). For best results, condition material to a minimum of 50°F (10°C) prior to application.
- Quality curing or sealing compounds and floor treatments darken or highlight the subtle color variations naturally present in concrete.
- Do not apply over bleed or standing water.
- Applying material when it is cold may cause formation of bubbles due to entrapped air migrating upward from the concrete pores.
- Continuous or long-term exposure to ultra violet light will cause the film to yellow.

CAUTIONS

COMBUSTIBLE LIQUID: Keep away from heat or open flame. Use with adequate ventilation. May cause skin, eye and respiratory tract irritation; keep out of reach of children.

DIRECTIONS

MIXING: Do not dilute. **CS 25** is packaged ready to use and only requires stirring or agitation prior to use.

APPLICATION: Always test application in a small area to verify appearance. In cold temperatures (below 50°F), warm material to room temperature to ease application. In hot weather, avoid applying in direct sunlight or in windy conditions. In hot weather, apply **CS 25** early in the morning or in late evening. Application in direct sunlight or hot weather could result in bubbling at the surface, especially in areas that were applied heavily. Apply **CS 25** with a short nap, solvent resistant roller, a low-pressure solvent resistant airless sprayer equipped with a fan nozzle (minimum orifice of .030-.032), or a hand pressurized sprayer with a "Cats Eye" nozzle (minimum orifice of .010-.012). The optimum spray pattern is an 8-12 inch fan. Hold sprayer tip 6-8 inches from the surface of the concrete. Apply uniformly leaving no pinholes or gaps. Do not allow the material to puddle. When using a hand-pressurized sprayer it is important to maintain as high an air pressure as possible to aid in spraying

CURING: When applying **CS 25** to fresh concrete, apply after all bleed water has dissipated. An optional second coat should be applied at right angles to first coat.

SEALING OLDER CONCRETE: After concrete has fully cured, pressure wash thoroughly with strong alkaline detergent, removing any dirt, waxes, or other contaminants that prevent adhesion. Allow the surface to dry before application of **CS 25**. For best protection and highest gloss, apply two thin coats of **CS 25**. Allow first coat to dry tack free before application of second coat.



This Product is formulated and labeled for Industrial and Commercial Use only. For best results and safest usage, user is specifically directed to consult the current material safety data sheet and package label for this product.

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