

PRODUCT NAME

Cem-Kote® ST

Cementitious Waterproofing Coating

MANUFACTURER

Gemite® Products Inc.

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CANADA

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Mississauga, Ontario L5S 1J5

Phone 905-672-2020

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FEATURES

- Waterproofs (negative & positive side)
- Breathable
- Non-toxic
- High bond to substrate
- Hard and tough
- Superior durability
- Easy to apply = sprayable
- Crack resistant
- Non-flammable
- UV resistant
- Economical

PRODUCT DESCRIPTION

Basic Use

Waterproofing and protection of exterior and interior concrete, block, brick and stone. It resists hydro-static pressure when cured and can be applied to rough and damp surfaces .



Cem-Kote ST is suitable for water reservoirs, skating & curling rinks, bobsled & luge runs, foundations, basements, fountains, drainage trenches, retaining walls, floor slabs and other concrete structures.

Cem-Kote ST provides uniform color, protection and waterproofing to repaired concrete surfaces.

Composition and Materials

Cem-Kote ST is a one component (add water only), Portland cement based, polymer modified, non-flammable and non-toxic coating.

Limitations

Do not apply *Cem-Kote ST* when the temperature is expected to be below 4 °C (40 °F) within 24 hours or when rain is imminent. Follow Hot Weather concreting precautions when applying *Cem-Kote ST* at temperatures exceeding 25° C (77° F) or under sunny and windy conditions. For high waterhead pressures, use *Cem-Kote Plus*.

Health and Safety

Cem-Kote ST is non-toxic and non-flammable. Your skin might be sensitive to cement. We recommend use of rubber gloves. Avoid contact with eyes and prolonged contact with skin. If contact occurs, flush immediately with water. Seek medical advice if irritation occurs. Harmful if digested. Keep product out of reach of children. FOR INDUSTRIAL USE ONLY. Consult MSDS for additional information.

Color

Industrial Grey, Light Grey and White.

Packaging

Cem-Kote ST Premix is a one component material packaged in 17 kg (37.5 lbs) bags.

Yield

Cem-Kote ST Premix yields 15.81L (0.57 ft³) and covers approximately 31.45 m² @ 0.5 mm (333 ft² @ 20 mils) thickness per bag mix applied in two (2) coats (62.9 m² or 666 ft² per coat per bag)

The actual coverage will depend on surface roughness and the thickness applied. The applicator must carry out a sample application to determine the actual coverage for the given substrate and application thickness.

Storage and Transportation

Cem-Kote ST when stored on pallets in a dry, cool area, has a shelf-life of 12 months. Packaged 55 bags per pallet.

TECHNICAL DATA

Salt Scaling Resistance (ASTM C672)	Excellent
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Chloride Content (ASTM D1411)	0.01% or less
Elcometer Adhesion (ASTM D4541)	100% adhesive failure (0% bond loss)
Thermal Compatibility (ASTM C884)	5 cycles, no delamination
UV Resistance	No yellowing after 1,000 cycles
Working Time	45 minutes @ 21° C (70° F)
Re-coat Time	15-40 minutes (depending on temperature) once first coat loses its tackiness



INSTALLATION

Current Guide Specification and Application Instructions contain additional information specific to each application and must be followed. Consult Gemite's Technical Service before starting a project to ensure the correct surface preparation, crack treatment, application procedures and suitability for a given environment.

Surface Preparation

Remove all delaminations, loose particles, grease, laitence, dirt and efflorescence. Use sandblasting or high pressure water (min. 6,000 psi). The proper surface preparation is essential for a successful application of *Cem-Kote ST*.

Surface Repair

Any active water leaks must be stopped using *Fibre-Patch WP (Water Plug)*. Deeper surface deterioration should be repaired with *Gem-Plast TC* or *Fibre-Patch OV*. Leave the surface of the patch rough and clean it thoroughly with high pressure water before application of *Cem-Kote ST*. Apply *Cem-Kote ST* within 48 hours after cleaning.

Reinforcing Steel

Remove all loose rust from any exposed reinforcing steel and apply two coats of *Fibre-Prime* rustproofing.

Crack Treatment

Any existing cracks must be treated separately.

Mixing

Use paddle or helix mortar mixer, or heavy duty drill (400-600 RPM) with a mixing paddle. Use 7.65 L (2.01 USG) of water per bag. Place most of the water into a clean container and gradually add *Cem-Kote ST* powder, while mixing, until a thick creamy consistency is obtained. Let sit for 3 - 5 minutes, re-mix and add remaining water to adjust the consistency for brushing or spraying.

Application

Apply *Cem-Kote ST* in two (2) coats, to a saturated surface dry substrate, to build up approximately 0.5 mm (20 mils) thick layer. No wetting is required between the coats. The recoating should be done when the first coat becomes tack free, but not later than 4 hours. Use a stiff fibre brush. Contact Gemite's Technical Service for advice on spray application.

Curing

Cure *Cem-Kote ST* by air drying for a minimum of 72 hours. In interior floor applications, wet cure for 48-72 hours.

Clean Up

All tools must be cleaned with water immediately after use. Cured material can only be removed mechanically.

AVAILABILITY AND COST

Cem-Kote ST is available worldwide. Contact the manufacturer for the name of the nearest Representative/Distributor and pricing information.

MAINTENANCE

None required.

WARRANTY

A limited twelve (12) month Material Replacement Warranty is available. For complete details, contact Gemite's Head Office.

TECHNICAL SERVICE

For technical advice on suitability of *Cem-Kote ST* for specific application, specification assistance and application advice, contact Technical Service: USA 888-443-6483 or Canada 905-672-2020.

Short Specification

The coating shall be *Cem-Kote ST* [specify color], a cement based, polymer modified coating as manufactured by Gemite Products Inc., [Canada 905- 672-2020] [USA 888-443-6483]. It shall be applied in accordance with manufacturer's latest Guide Specifications and Application Instructions. *Cem-Kote ST* will satisfy the following requirements:

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