

PRODUCTNAME

Gem-Cote® WA ST

Waterborne, Acrylic Floor Coating

MANUFACTURER

Gemite® Products Inc.

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FEATURES

- superior toughness
- high abrasion resistance
- flexibility
- high durability
- resistant to water blushing
- waterborne
- high bond
- fungus and mold resistant
- easy to clean
- roller or brush applied
- good chemical resistance
- cures tack-free in 1.5 to 2.5 hrs.
- economical

PRODUCT DESCRIPTION

Basic Use

Gem-Cote ST WA is an abrasion resistant colored floor coating for light to medium traffic concrete floors. It is used as a finished coat or it can be further coated with clear waterborne acrylic, acrylic/urethane clear sealers or with 100% solids epoxy clear coating manufactured by Gemite Products Inc. to further improve cleanability, abrasion and chemical resistance in specific floor applications.

Composition and Materials

Gem-Cote ST WA is one component, modified acrylic emulsion, a high performance, floor coating, exhibiting an excellent resistance to water, salts and mild chemical exposure. Gem-Cote WA ST is an easy to apply material for either interior or exterior applications. It is very easy to clean. Gem-Cote WA ST is applied by spray, brush or roller.

Limitations

Do not apply Gem-Cote WA ST when air temperature or surface temperature are or likely to be lower than 5°C (41°F). Water condensation on the film during the initial few hours of drying may adversely affect the appearance and hardness of the coating. Painted surfaces must be tested to check that Gem-Cote WA ST does not debond the existing paint surface. If in doubt, strip the existing paint to clean concrete. The proper surface preparation



The Advanced Materials Centre

is essential for successful Gem-Cote WA ST application. Gemite Technical Service should be consulted before starting a project to ensure that the correct surface preparation and application procedures are followed.

Health and Safety

Gem-Cote WA ST is a non-toxic waterborne coating. Your skin might be sensitive to acrylic latex or the modifying additives. Avoid contact with eyes and prolonged contact with skin. If contact occurs, flush immediately with water. Seek medical advice if irritation occurs. Harmful if ingested. Keep product out of reach of children. FOR INDUSTRIAL USE ONLY. Consult MSDS for additional information.

Colors

Gem-Cote WA ST is available in seven standard colors. The custom colors are available upon request.

Packaging

Gem-Cote WA ST is supplied as a one-component system in 4 L (1.06 USG) cans and 20 L (5.3 USG) pails.

Coverage

Gem-Coat ST WA will cover approximately 10 - 12 m² per L @ 0.08-0.1 mm (400 - 535 ft² per USG @ 3-4 mils) per one (1) coat.

Storage and Shelf Life

Gem-Cote WA ST has shelf-life of 12 months when stored in unopened containers. Pack aged 100 - 4 L bottles or 36 - 20 L pails per pallet.

TECHNICAL DATA

Pigment volume content %	16.3
Volumesolids %	34.9
Viscosity, KU	77
pH	9.2
Elongation	60 %
Man drel Flexi bil ity	6 mm (1/4 in)
Overcoating	2-3 hrs
Serv ice Time	Overnight

INSTALLATION

Guide Speci fi ca tions are avail able and must be fol lowed.

Surface Preparation Concrete

New concrete must be cured before coating and all traces of curing compound must be removed. Gem-Cote ST WA is designed to be applied to moisture containing concrete at low application of the material shortly after placement and finishing of the concrete. Contact Gemite Products Inc. Technical Service Remove all loose or delaminated concrete. Clean the concrete

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03004 Concrete Sealers
09780 Floor Treatment

surface by shot blasting, scarifying or to remove laitance, dust, dirt and loose deteriorated concrete or paint. Concrete must be clean and dry. On or below grade concrete should not be coated if the water problem exists. Smooth-trowelled or surface-hardened concrete floors may require scarifying to insure proper adhesion. Acid etching, powder grinding or sandblasting are recommended methods for roughing the surface. To remove grease, oil and other penetrated contaminants, use a commercial concrete cleaner or scrub with a strong detergent and rinse thoroughly. Remove all paint or varnish which is not well bonded to the substrate when preparing previously painted concrete. Test small area of well bonded coating to determine if *Gem-Cote WA ST* will cause lifting, wrinkling or bubbling. If any of these occur, remove paint or varnish by sanding or using a paint remover. If coating is not at tacked, sand to dullness and clean thoroughly. Contact Gemite Products Inc. for Guide Specifications regarding surface preparation and application of *Gem-Cote WA ST*. The surface preparation procedure must be consulted with the Technical Service of Gemite Products Inc. for each project.

Application

Gem-Cote WA ST can be applied with a roller, brush or can be sprayed. Apply minimum two coats. The second coat can be applied as soon as the first coat becomes "tack free". The second coat should be applied soon after the first coat to avoid the contamination of the first coat. Contact Gemite Products Inc. for information regarding the use of *Gem-Cote WA ST* for non-skid floor applications. Under average conditions, coated areas will be ready for light traffic in 12 hours. Normal use of area may be resumed in 24 hours.

Clean Up

All tools and equipment must be cleaned immediately with water. Paint thinners can be used to clean the dry material.

AVAILABILITY AND COST

Gem-Cote WA ST is available world wide. Contact the manufacturer for the name of the nearest Representative/Distributor and current pricing information.

MAINTENANCE

For cleaning use ammonia free industrial detergents.

WARRANTY

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

TECHNICAL SERVICE

Technical advice on suitability of *Gem-Cote WA ST* for specific application, Specification assistance and application advice, contact Gemite Products Inc. Technical Service in the USA at (888)443-6483, in Canada at (905)672-2020.

Short Specification

The protective floor coating will be modified, water borne acrylic floor coating *Gem-Cote WA ST*, manufactured by Gemite Products Inc., (888-443-6483 (USA) or 905-672-2020 (Canada)).