

Cooling Towers

Products and Applications



Delivering tomorrow's technology today

General construction, concrete repair, waterproofing and protection

Product	Description and Use
Fibre-Prime	Brush applied, cement based, corrosion protective coating containing migrating corrosion inhibitor. It is used to protect exposed reinforcing steel.
Gem-Gard MCI	Deep penetrating migrating corrosion inhibitor to provide corrosion protection of reinforcing steel.
Fibre-Patch OV	Hand applied, fast setting fibre reinforced, micro-silica enhanced structural waterproofing mortar for application on horizontal, vertical and overhead surfaces. Also used in grouting types of concrete repairs.
Fibre-Patch ST and ES ST (Plus)	Horizontal concrete repair mortars. The fast strength developing mortars, Fibre-Patch ES ST and Plus allow a fast application of polyurethane or epoxy coatings after repair, or very early opening to traffic
Gem-Plast TC	Repair mortar used in thin section, feather edge to 12 mm (up to ½ in) surface repair of reinforced concrete. Hand or machine applied.
Spray-Con WS ST (Plus)	Spray-applied, fibre reinforced, micro-silica enhanced wet process shotcrete for large volume structural rehabilitation and re-profiling. Available as premix or concentrate. The Plus version also contains dry polymer when required.
Spray-Con DS ST (Plus)	Spray- applied dry process shotcrete (gunite), available as premix or as concentrate. Typically used in restoration of dam structures
Cem-Kote Barrier Coat 100	A cementitious waterproofing coating
Cem-Kote Flex ST	A flexible, cementitious waterproofing coating
Gem-Cote CW Plus	Crystalline, cementitious waterproofing coating with fast setting and strength development in applications with limited curing time available before exposure to water.
Gem-Crete HF ST (Plus)	A very thin deck, waterproofing overlay, varying from a minimum thickness of 6 to 10 mm (1/4 to 3/8 in), exhibiting a high abrasion and impact resistance. It is a two component system, consisting of dry powders and a liquid additive. The "Plus" version is also fibre reinforced.

All accessory products and manufactured and supplied by Gemite Products Inc.



1



2



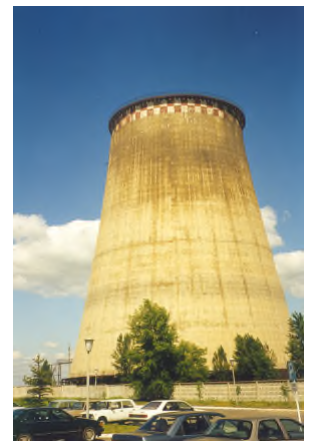
3



4



5



6



7



8



9



10



11



12

Figures

1. **Fibre-Prime. Gem-Plast TC** – exterior cooling Tower, Koprivnice, The Czech Republic
2. **Cem-Kote Flex ST** – cooling tower basins, Mesa, Arizona, USA
3. **Fibre-Prime, Fibre-Patch OV** – freeze/thaw deterioration, cooling tower basin, Koprivnice, The Czech Republic
4. **Cem-Kote Barrier Coat 100** – cooling tower, near Jilin, northern China
5. Failure of epoxy coating – interior cooling tower, Ias, Romania
6. **Adi-Con BA AC Super Slurry**, repair and water proofing, interior of the cooling tower, near Kiev, Ukraine
7. **Cem-Kote Flex ST**- cooling tower, Bishan China
8. **Cem-Kote Flex ST** – cooling tower, Bishan, China
9. Cooling tower, Bishan, China
10. **Cem-Kote Flex ST** – cooling tower basins, Mesa, Arizona, USA
11. **Cem-Kote Barrier Coat 100** – repair and waterproofing, interior cooling tower, near Jilin, China
12. **Cem-Kote Flex ST and Reinforcing Fabric HD** – Mesa, Arizona, USA
13. **Cem-Kote Flex ST and Reinforcing Fabric HD** – Mesa, Arizona, USA
14. Failure of an epoxy coating, interior of a cooling tower, Bishan, China
15. Failure of an epoxy coating, interior of a cooling tower, Yas, Romania

GEMITE INNOVATIVE GLOBAL CENTRE

Gemite draws upon many decades of a practical experience to assist the Architect, Engineer and Contractor to find the most Efficient and Permanent Solution. From the Condition Analysis of existing structures, to continuous support during the Design and Specification process, we provide advice to assure that the best and cost efficient systems are selected.

Worldwide Technology Leader

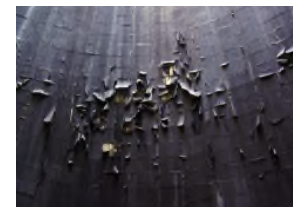
Our continuous Innovation, Superior Quality and Solid Reputation make Gemite the preferred industry choice for lasting and reliable solutions. The latest technology introduced by Gemite is a Nano group of products.



13



14



15

Established and Field Proven Technology

Gemite material systems have been used in new construction and restoration projects ranging from small to huge. We have an international track record of successful installations for over 25 years around the globe, from the ravages of Sahara to the colds of Alaska.

Global Availability and Support

Gemite materials are available internationally, ensuring consistent quality and service to customers everywhere. Gemite guarantees a Single Source of Environmentally Responsible Materials, applied by well-trained Professional Applicators, and supported by a Global Technical Network.

LEED, Green and Safe

Gemite supports LEED Green concept and strives to maximize sustainability and environmental health by using materials with the lowest possible carbon footprint. Gemite's constant improvement of operating procedures and strict Quality Control according to its ISO 9001 Certification assures that we deliver materials with consistent quality and performance to our global Customers.

Brochures for following markets are available on request:

- Water treatment
- Wastewater treatment
- Crystalline waterproofing
- Bridges
- Parking garages
- Wall and roof coatings
- Industrial concrete
- Dams and locks
- Tunnels
- Marine structures
- Cooling towers
- Airports
- Chemical protection of concrete
- Carbon Fibre Reinforcement
- Sewers and manholes

Canada: 1787 Drew Road
Mississauga, Ontario
L5S 1J5
Phone: 905-672-2020
Fax: 905-672-6780

USA: 160-3840 East Robinson Road
Amherst, New York,
14228
Phone: 888-443-6483
Fax: 888-443-6329



Associated Companies World Wide

www.gemite.com

