



Industrial Concrete Repair and Protection Products and Applications



Delivering tomorrow's technology today

General construction, concrete repair and protection

Product	Description and Use
Adi-Con CSF R	Silica fume (microsilica) based admixture for low permeability, reduced chloride penetration and water-resistance of concrete overlay. The admixture has no effect on slump of concrete, and is added on site to ready mix truck, or in concrete mixing plant.
Adi-Con VCA	Concrete admixture used in manufacturing of self-compacting concrete mixes
Gem-Crete CR	Thin, fibre reinforced mortar topping with improved chemical resistance
Gem-Crete HDO	Traffic bearing thin waterproofing, high abrasion and impact resistant thin overlay, 12-50 mm (1/2"-2"). Supplied as premix, as a concentrate mixed on site with sand, cement and water using mortar mixer.
Gem-Crete HF ST	A thin traffic deck waterproofing, applied 6-10 mm (1/4"-3/8"), exhibiting a high abrasion and impact resistance. It is a two-component system, consisting of dry powders and a liquid additive.
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 1/2 in) surface repair of reinforced concrete. Hand or machine applied.
Spray-Con WS ST	Spray-applied, fibre reinforced, micro-silica enhanced wet process shotcrete for large volume structural rehabilitation and reprofiling.
Cem-Kote Barrier Coat 100	High performance polymer modified cement coating use in waterproofing, as a bonding agent as well as in protection. It is also a highly effective vapour retarder coating
Cem-Kote Flex CR	Flexible polymer modified cement, used as protective coating in secondary containment structures
Gem-Cote EP 100	High performance, high chemical resistance epoxy coating

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



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Figures

Front Page – Upper Photo

Adi-Con VCA 100 – self-compacting concrete used in repair of industrial structure, Halmeu, Romania



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1. **Spray-Con WS ST** – repair of industrial facility, Krivoj Rog, Ukraine
2. **Gem-Crete HDO**, factory floor repair, Nitra, Slovakia
3. **Gem-Crete CR** – floor repair, Timmins, Ontario, Canada
4. **Cem-Kote Barrier Coat 100** and **Gem-Cote EP 100** - secondary containment, near Iasi, Romania
5. **Cem-Kote Barrier Coat 100** and **Gem-Cote EP 100** - secondary containment, Gajary, Slovakia
6. **Fibre-Patch OV** and **Nano-Shield OSP**, Severochema, secondary containment, The Czech Republic
7. **Adi-Con CSF R** concrete, potash mines, Saskatchewan, Canada
8. **Adi-Con CSF R** – chemical works, Brandon, Manitoba, Canada
9. **Adi-Con BA AC Super** mortar and epoxy coating, Ledec, The Czech Republic
10. **Gem-Crete CR** – Pardubice, The Czech Republic
11. **Spray-Con WS ST** and **Cem-Kote Flex CR** – interior of chemical tanks, Novaky, Slovakia
12. **Fibre-Patch OV** – water distribution, near Daejeon, South Korea
13. **Fibre-Prime - Spray-Con WS ST** – pre-fabricated roof panels repair, Krivoj Rog, Ukraine – before and after.
14. **Flex-Top RAM** – roof waterproofing, Malacky, Slovakia
15. **Flex-Top RAM** – roof waterproofing, Kiev, Ukraine.
16. **Spray-Con WS ST** power plant vaults, London, Ontario, Canada
17. **Cem-Kote Barrier Coat 100** and **Cem-Kote Flex CR** – chemical tanks waterproofing, Virginia, USA
18. **Gem-Crete HDO**, Lansing, Michigan, USA



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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.



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.



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

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www.gemite.com



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- Water treatment
- Wastewater treatment
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- 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