Airports
Products and Applications

Delivering tomorrow’s technology today
# General construction, tarmac, runway repairs

<table>
<thead>
<tr>
<th>Product</th>
<th>Description and Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adi-Con CSF R</td>
<td>Silica fume (micro-silica) based admixture for concrete; provides low permeability, chloride penetration and water resistant concrete overlay. It is typically used in thickness 5 cm (2 in). The admixture is formulated to provide no effect on slump of concrete and it is added either at the site to ready mix truck, or in concrete mixing plant.</td>
</tr>
<tr>
<td>Gem-Crete HDO</td>
<td>A high volume fibre reinforced mortar composition, used as a thin, waterproofing, high abrasion and impact resistant deck overlay, in thickness varying from 12 to 50 mm (1/2 – 2 in). It is typically supplied as a concentrate and mixed on site with specified amount of sand, cement and water using mortar mixer.</td>
</tr>
<tr>
<td>Gem-Crete HF ST (Plus)</td>
<td>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.</td>
</tr>
<tr>
<td>Gem-Crete TWM Plus</td>
<td>A flexible, polymer modified traffic membrane.</td>
</tr>
<tr>
<td>Gem-Gard SL 100</td>
<td>A hydrophobic silane, 100% active solids, penetrating sealer used in protection of concrete decks against penetration of salt and water. It also increases a freeze/thaw resistance of concrete.</td>
</tr>
<tr>
<td>Gem-Cote WA Plus</td>
<td>A waterborne acrylic, color sealer for traffic surfaces</td>
</tr>
<tr>
<td>Gem-Seal WA ST</td>
<td>A waterborne acrylic sealer for traffic surfaces</td>
</tr>
</tbody>
</table>

## Small repairs and waterproofing

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<tr>
<td>Fibre-Prime</td>
<td>Brush applied, cement based, corrosion protective coating containing migrating corrosion inhibitor. It is used to protect exposed reinforcing steel.</td>
</tr>
<tr>
<td>Fibre-Patch OV</td>
<td>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.</td>
</tr>
<tr>
<td>Fibre-Patch ST and ES ST (Plus)</td>
<td>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</td>
</tr>
<tr>
<td>Gem-Plast TC</td>
<td>Repair mortar used in thin section, feather edge to 12 mm (up to ½ in) surface repair of reinforced concrete. Hand or machine applied.</td>
</tr>
<tr>
<td>Cem-Kote CW Plus</td>
<td>Crystalline waterproofing; slurry applied waterproofing to provide negative side waterproofing. Used in waterproofing of tanks and underground tunnels.</td>
</tr>
<tr>
<td>Cem-Kote Flex ST</td>
<td>A flexible, polymer modified cement membrane waterproofing to provide negative/positive side waterproofing. Used in waterproofing of tanks, and underground tunnels.</td>
</tr>
<tr>
<td>Gem-Gard MCI</td>
<td>Deep penetrating migrating corrosion inhibitor to provide corrosion protection of reinforcing steel.</td>
</tr>
</tbody>
</table>

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

1. Gem-Crete HDO – Goose Bay Labrador, Canada
2. Gem-Crete HDO – Goose Bay, Labrador, Canada
3. Gem-Crete HDO – Deblin, Poland
4. Gem-Crete HDO – Goose Bay, Labrador, Canada – inspection after 10 years
5. Gem-Crete HDO - Warsaw International Airport Poland
6. Gem-Crete HF ST – military airport, Romania
7. Gem-Crete HF ST – cracks treatment, military airport, Romania
8. Gem-Crete HDO – military airport, northern Poland
9. Gem-Crete HDO – Goose Bay Labrador, Canada, inspection after 10 years
10. Gem-Crete HF ST – military airport, Romania
11. Gem-Crete HDO – military airport, northern Poland
12. Gem-Crete HDO – Goose Bay, Labrador, Canada, inspection after 10 years
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- Tunnels
- Marine structures
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- Carbon Fibre Reinforcement
- Sewers and manholes

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