

## Underground (Tunnel) Applications

Gemite Products Inc. offers a number of products for underground (tunnel) applications. The following is a list of the materials offered and a short description of their use:

### **Fibre-Patch WP (Water Plug)**

Hydraulic material used for stopping active water leaks. It is supplied as a dry premix that is mixed with water to form a fast setting material. It is also used as a "dry" coat over the entire surface of the surface to be waterproofed, to eliminate the water seepage before the application of other waterproofing material.

**Fibre-Patch WP** solves active leakage problems in all masonry and concrete above and below grade. It is used to stop leaks in basement walls, swimming pools, fountains, retaining walls, sealing around concrete pipes, cisterns, tunnels and subways.

### **Cem-Kote Plus (Waterproofing, Chemical Resistant Slurry)**

Dry polymer modified, microsilica enhanced Portland cement based premix applied by brush, trowel or spray-applied at a thickness between 3-6 mm. **Cem-Kote Plus** has better waterproofing and a higher resistance to acidic environment and to H<sub>2</sub>S than crystalline waterproofing materials, such as Vandex, Xypex, or latex modified slurries. The reaction between the microsilica and lime closes the capillaries of the cement mortar and increases its chemical resistance. Used for the repair and waterproofing of concrete and masonry utility manholes, clarifiers, utility vaults, water treatment facilities, tunnels and subways both on negative and positive sides.

Gemite also offers a crystalline waterproofing, **Cem-Kote CW**.

### **Cem-Kote Flex ST & Plus**

Unique, highly flexible Portland cement based materials, capable of spanning of moving cracks and exhibiting a high chemical resistance. They are waterproofing, but breathable materials, used in waterproofing of tanks, water treatment facilities, subways, tunnels and secondary containment structures.

### **Fibre-Patch OV (Over Head) Patching Mortar**

is a fibre reinforced, microsilica enhanced mortar, modified with dry polymer to allow an easy trowel application in thickness from 1/4 in to several inches. **Fibre Patch OV** offers simplicity in application, (one component system; add water only) and a superior chemical resistance due the microsilica enhancement. The reaction between the microsilica and the lime generated by the reaction of cement with water, closes the capillaries of cement mortar and increases its chemical resistance. The high bending strength and crack resistance is achieved by high volume fibre reinforcement. The superior bond and economy are additional important features of **Fibre-Patch OV**. It is a "structural" and a waterproofing repair material at the same time.

## **Gemite Group of Companies**

*E-mail: [techinfo@gemite.com](mailto:techinfo@gemite.com)*

**Toll Free: 1-888-4-GEMITE (888-443-6483)**

**USA:** 160-3840 E. Robinson Rd., Amherst NY 14228 Phone: 888-443-6483 Fax: 888-443-6329  
**CANADA:** 1787 Drew Road, Mississauga ON L5S 1J5 Phone: 905-672-2020 Fax: 905-672-6780

***Associated Companies World-wide***