

Concrete Cloth™

Geosynthetic Cementitious Composite Mat (GCCM)

Containment Dike / Berm Protection

Concrete Cloth (CC) GCCM is a flexible concrete impregnated geotextile that hardens on hydration to form a durable, fibre reinforced concrete layer. Used predominately for above ground drainage applications, the material can also be used for hard armor capping of containment dikes and berms around oil refinery tank farms.

Impermeability and Fire Protection: has an integral water impermeable PVC membrane as well as inherent fire resistant properties which improve the containment characteristics of existing earthen dikes.

Prevents Desiccation: Protects synthetic and clay liners: Protects synthetic liners from light vehicle and foot traffic punctures, and prevents clay berms from drying out and cracking.

Erosion Protection: provides high-level protection against degradation of containment dikes by preventing surface erosion from wind, rain and freeze thaw.

Decreases Lifecycle Cost: CC significantly extends the operational life span of new and rehabilitated berms. It decreases maintenance and will not crack like shotcrete or poured concrete.

Weed Suppression: acts as an effective weed inhibitor, eliminating the maintenance required with earthen dikes while providing a safe surface for trafficking.

Prevents Animal Damage: reduces maintenance and repair work by eliminating the risk of membrane or structural damage from burrowing animals.

Protects Sensitive Infrastructure: produces no back spray, eliminating problems associated with using sprayed concrete or resin based lining and reinforcement systems around sensitive infrastructure.

Rapid Install: can be installed at a rate of 5,000+ sqft/day, reducing time required on site and significantly reducing overall project costs.

No Heavy Equipment Required: can be supplied in man-portable rolls eliminating the need for heavy equipment on site and allowing for installation in areas with restricted access. Prior to hydration, CC layers can be cut to length using basic hand tools eliminating the hazards associated with using power tools in high-risk environments.

Install in Wet Weather: has a working time of 2 hours after hydration. The ability to install CC in wet weather conditions reduces program disruption and crew downtime.

Conforms to Protrusions: has excellent drape characteristics, allowing the material to conform in and around existing infrastructure, form sealed joints around pipe protrusions and negotiate sharp bends and variations in profile.

Increase Storage Capacity: can easily be used to increase/restore secondary storage capacity to meet regulations.



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