

GEOSYNTHETIC CEMENTITIOUS COMPOSITE MATS (GCCMS)

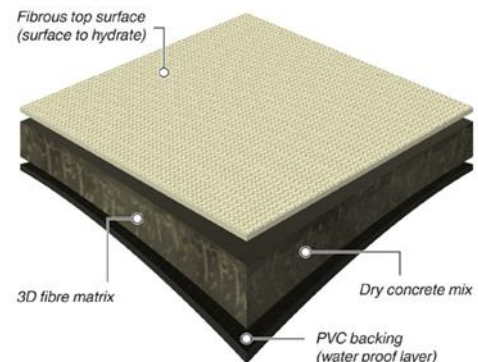


Relative Costs	
Installation	N/A
Life Cycle	N/A
Maintenance	N/A
Repair	N/A
Effective Longevity	N/A
Level of Difficulty	
Installation	Low
Repair	Low
Maintenance	N/A
Retrofit	Low

Description: GCCM is a flexible cement-impregnated fabric that hardens when hydrated to form a thin, durable concrete layer. This material has different proprietary name such as Concrete Cloth™ and Concrete Canvas®. This VMS consists of a dry concrete mix, reinforcing fiber matrix, fabric top surface and poly vinyl chloride (PVC) bottom coating for waterproofing.

Typical Locations:

- Cable Barrier
- Support Posts and Poles
- Gore/Median
- Guardrail
 - If using with a strong post guardrail refer to the **STRONG POST GUARDRAIL USE WITH RIGID VMS MATERIALS** information sheet for leave-out compliance requirements.
- Mow Edge
- Slope/Embankment



Advantages:

- Rapid and easy installation
- Product comes on a roll so no concrete mixing
- Waterproof
- Fireproof
- Flexible enough to allow material to conform to surface
- Unset material can be cut as necessary for given situation.

Limitations and Common Problems:

- Leave-outs may be required for some applications due to rigidity of material
- **Limited available information regarding VMS interaction, long-term cost, performance and maintenance as a VMS.**