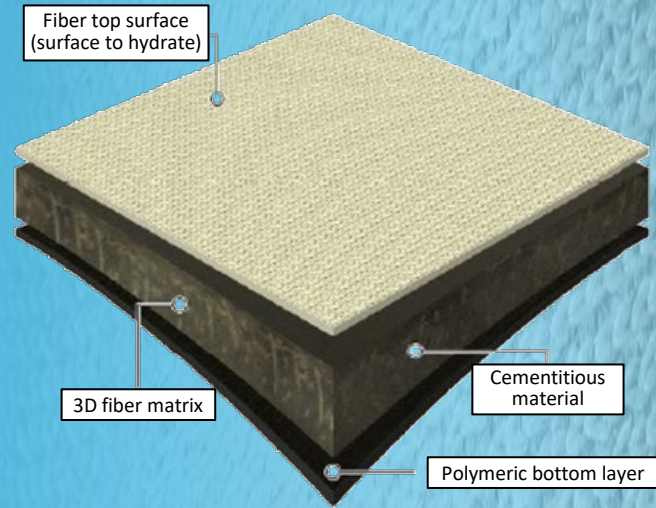


CONCRETE CANVAS

Geosynthetics Cementitious Composite Mat

Concrete Canvas (Geosynthetic Cementitious Composite Mat, GCCM) is a flexible, formulated dry concrete mix and fiber-impregnated mat that hardens and sets on hydration to form a thin, strong, durable, waterproof, and fire-resistant concrete layer. This concrete-on-a-roll product can be applied to any surface and is developed, patented, and manufactured in the United Kingdom.



Applications

- Slope protection
- Erosion control
- Drainage channel lining
- Concrete structure remediation
- Bund & culvert lining
- Submarine pipe protection
- Marine structure protection

Benefits

- Fast and cost-effective
- Requires no working space
- Requires no equipment (ideal for remote areas)
- Simple to install, like laying an erosion mat
- No regular maintenance

Properties

- Tested to ASTM D8364
- Design life of 120 years
- High flexural, puncture, and abrasive strength
- Chemical, abrasive, biological, weather, fire, and root-resistant
- Non-hazardous
- CE marking, ETA & BBA certification



Slope Protection at Lamma Island
August 2024 (GE/2022/05)



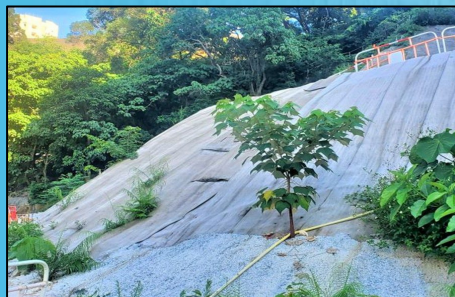
Laying of Concrete Canvas



Slope Protection in Southern Regions
August 2025 (07/LANDS/24)



Slope Protection, Highways Term Contract, August 2025 (06/HY/2017)



Slope Protection in Pik Wan Road,
April 2021 (CV/2019/03)



Temporary Slope Protection in Hilltop Villa, September 2023

CONCRETE CANVAS

Effective Erosion Control over time (03/HY/2023)

August 2024



December 2024



August 2025



November 2025



Characteristics

- Flexible, conforms to most profiles
- Rapid strength gain
- Performs well in wet conditions and with seawater
- Low carbon, eco-friendly, low washout
- PVC waterproofing backing
- In-situ testing with Windsor Pin tester
- Individual roll package



Batch Roll (1m W x 10m L)



Bulk Roll (1m W x 170m L)

Each roll is 1 m wide x 10 m long and can be handled by hand. Bulk rolls come in 100 m lengths. Wide-width rolls of 2–3 m are available. Once unrolled, laid, and pegged, you can spray water to saturation. It will set in 1-2 hours, harden in 24 hours, and continue to gain strength up to 40 MPa, typical of concrete behavior and characteristics.