Concrete Cloth™

Geosynthetic Cementitious Composite Mat

HYDRATION GUIDE

Concrete Cloth™ geosynthetic cementitious composite mat (GCCM) is a flexible fabric that will bend and curve, enabling it to follow the natural contours of the land including ditches and slopes. Follow the instructions below to correctly hydrate Concrete Cloth material once installed. Prior to hydration, consult the Concrete Cloth Installation Guide for recommendations and instructions. Individual projects will vary, so it is important to use the Installation Guide in conjunction with project specific details and procedures.

Before you begin hydrating Concrete Cloth GCCM

- Has your subgrade been prepared correctly?
- Has the Concrete Cloth GCCM been installed according to the drawings?
- Are the overlaps and joints sufficiently affixed?
- Is any additional anchoring required?
- Do you have adequate water to sufficiently hydrate?

If these questions have not been answered, do not move on to hydration!

Consult the full Concrete Cloth Installation Guide or direct questions/ concerns to the project manager.

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Hydration

Complete hydration is critical to optimal performance. The Concrete Cloth product cannot be over hydrated and over watering is recommended. Any water source is acceptable in most circumstances.

1. Saturate the top surface. This will take multiple passes of a moderate spray of water from a garden hose or other source. More water will be needed as the slope of the install increases.
2. Ensure that the material has been saturated by means of the, "thumb test" by pressing a thumb to observe water pooling at the indention from the inside of the cement (not from the surface).
3. Wait 30-60 minutes and then put a final dose of water on the material to insure complete hydration. In **hot/dry** conditions, hydrate each hour for the first five hours. For CC5, respray once more after 1 hour.

The material can also be hydrated by submersion for 5-10 minutes but will only have a 1-2 hour working time after hydration.

- Do not jet high pressure water directly onto the surface.
- If the ground surface temperature is between 0 and 5°C and rising, CC should be covered with plastic sheeting immediately after hydration. CC may exhibit a delayed set at very low temperatures.
- Do not hydrate if temperature is likely to fall below 25F (-4C) within 24hrs of initial hydration.
- Do not install on frozen ground.
- Consult the Installation Guide for additional details and pictures.
- The material contains cement powder which is alkaline and may cause skin irritation.
- Always wear proper PPE and consult the SDS for additional information.

Minimum ratio of water: CC is 1:2 by weight

CC5: 0.8 Gallons of water per square yard

CC8: 2.7 Gallons of water per square yard

CC13: 4.0 Gallons of water per square yard

If CC is not fully saturated, the set may be delayed and strength reduced. If the set is delayed, re-wet with a large excess of water.

Storage & Handling

It is important to check the wrapping when the Concrete Cloth rolls arrive on the jobsite. Unopened packages can be stored in a dry location, off the ground, and away from moisture for up to one year. Any damage to the packaging should be repaired prior to storage using plastic wrap and tape to protect the Concrete Cloth GCCM from premature hydration.

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