

MINERAL TERRAMESH®

MACCAFERRI


ROCK FACED REINFORCED SOIL SLOPE SYSTEM

Mineral Terramesh® is a unique and simple to install soil reinforcement system with a sloping rock face finish.

It is ideal for use where a modern, clean-faced aesthetic is preferred.

Mineral Terramesh® can be used either alone or in conjunction with our ParaGrid® or ParaDrain® geogrids depending on the height of the reinforced soil structure.

Mineral Terramesh® is an environmentally friendly modular system. When used with ParaGrid® or ParaDrain®, site-won materials can often be used as structural backfill to the reinforced soil slope.

This has a triple benefit to the client:

1. No need for expensive quarried granular materials to be imported for structural backfill
2. No need to dispose of site-won soils into landfill
3. Fewer truck movements on roads around the project site



Uses of Mineral Terramesh®

- M** Terraces on development sites
- M** Wing walls
- M** Whenever level changes on a site need retention
- M** Acoustic and safety bunds
- M** Reinforced soil slopes where differential settlement could be an issue

Features and benefits

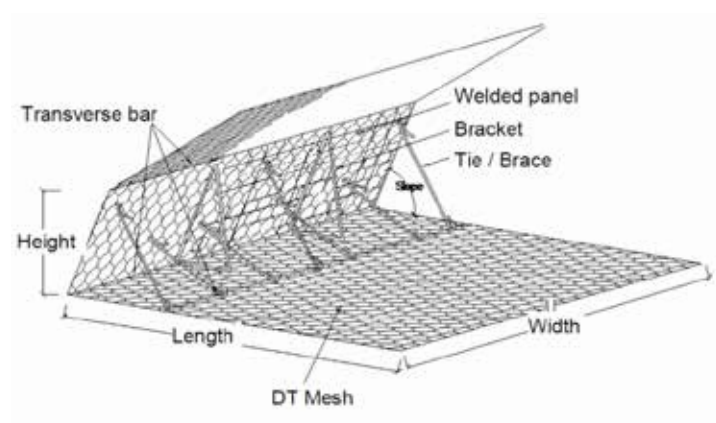
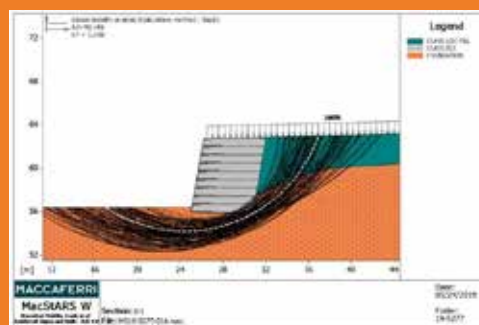
- M** **Rapid assembly:** Preassembled unit with components factory-fitted ready for erection on site
- M** **Design life:** 120 year design life capability
- M** **No external formwork:** Heavily galvanised welded mesh panel and bracing struts hold the face at the correct angle during construction
- M** **Simple installation:** No bodkin or connection is required between geogrid and Mineral Terramesh® unit.



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Design

- MacSTARs – for designing geogrid reinforced walls and slopes
- Use ParaGrid®/ParaDrain® for taller slopes and/or accommodating higher loads
- Design life: Heavily GalMac® galvanised wire with additional PoliMac® coating offers a system design life of >120 years



Finished face detail

Simple installation steps

- Unit is erected on site
- Bracing struts hold face at correct angle
- Place ParaGrid®/ParaDrain® geogrid if required
- Place and compact structural backfill onto geogrid tails
- Place stone of correct size for 300mm immediately behind face of unit
- Repeat with next unit



Corner detail

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