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DURAMAT RF

Geocomposite for surface stabilisation

INSTALLATION GUIDELINES

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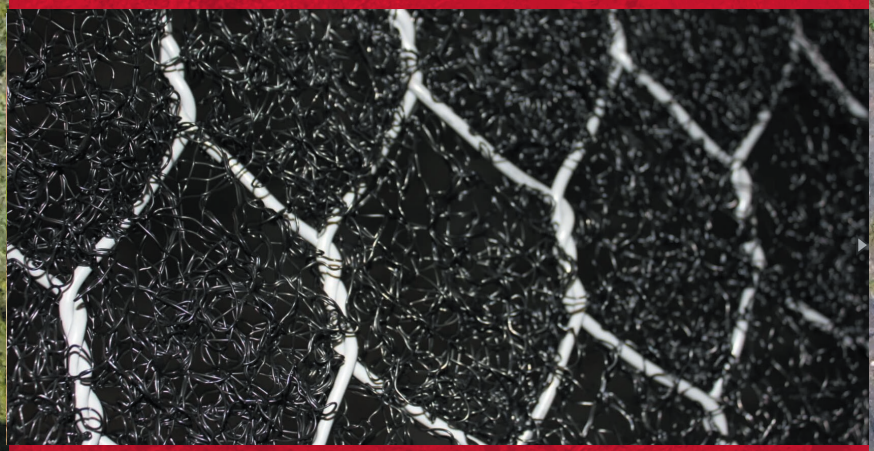

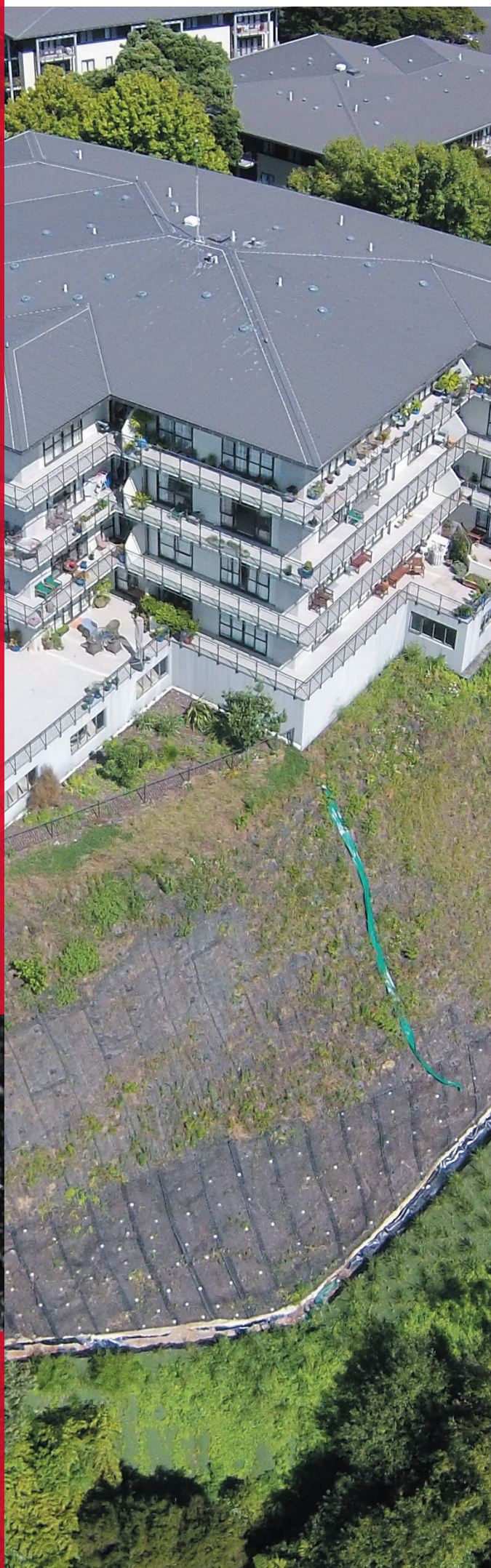

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DuraMat RF is a three-dimensional erosion control geocomposite produced by joining a UV stabilised synthetic polypropylene geomat with a double twisted PVC coated steel reinforcement mesh.

FOR MORE INFORMATION ON DURAMAT RF CONTACT CIRTEX
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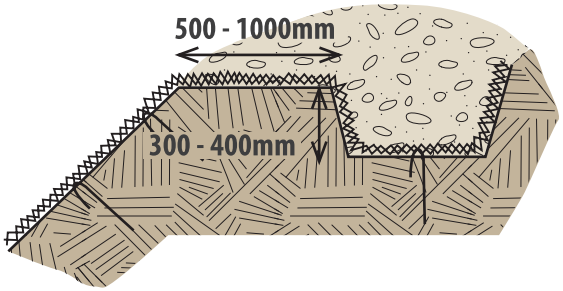
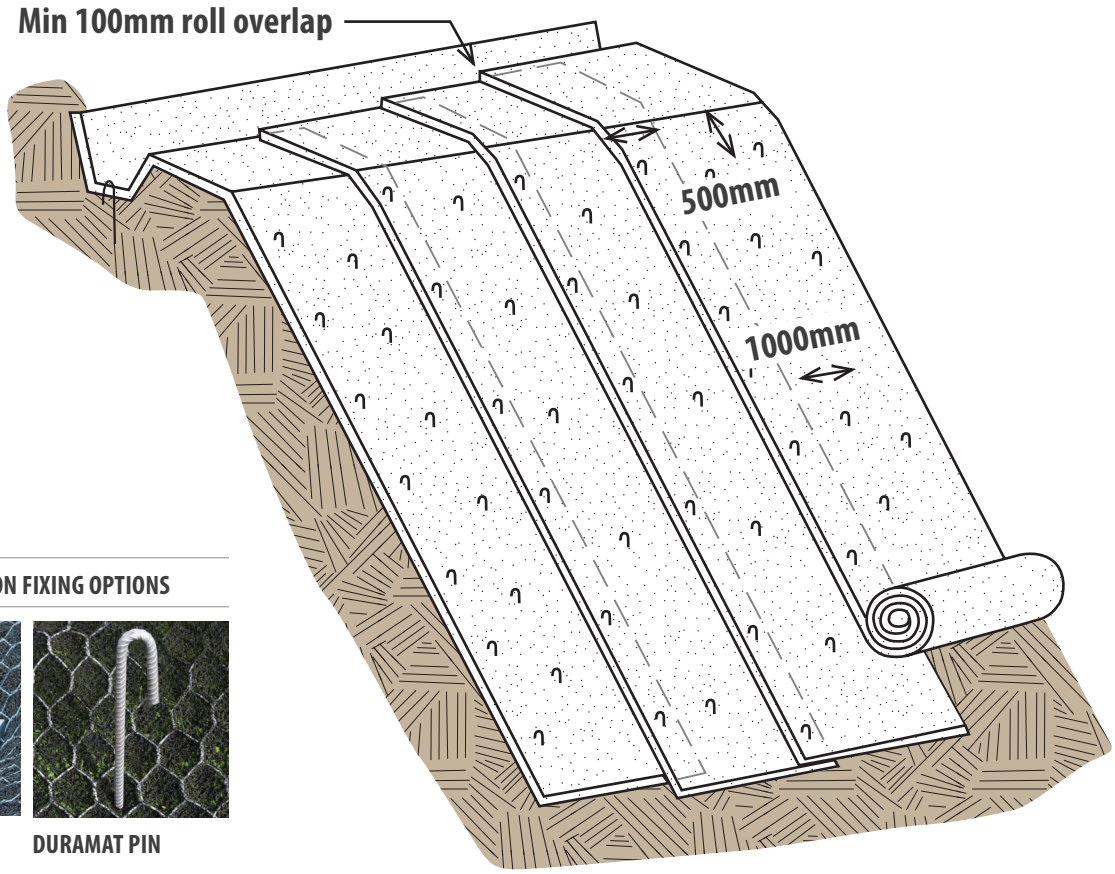
INSTALLATION GUIDELINES

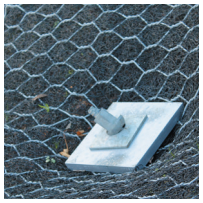
The following information is provided as a generic guide to assist with the handling and installation of DuraMat RF products. The end user should ideally incorporate these key comments into their method statement and associated risk assessment.



- This product is supplied in 2m wide rolls, 25m long. Depending on the chosen specification of the DuraMat RF being used the roll weights may be up to 80kg: As such, they will require either mechanically assisted lifting or in compliance with any local statutory regulations concerning manual lifting.
- The rolls should be stored off the ground and secured to prevent lateral rolling or collapse when stacked. The rolls should be stored no more than three high to avoid any deformation under their self weight which may lead to handling problems during installation.
- For rock slope stabilisation projects the DuraMat RF material should be installed, anchored and fixed in strict accordance with the site specific detailed design and associated method statement.



INSTALLATION FIXING OPTIONS



EARTH ANCHOR

DURAMAT PIN

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INSTALLATION GUIDELINES

Where installation will be onto a soil slope the following general guidelines should be noted and incorporated into any project specific method statement:

- The surface onto which the DuraMat RF matting is to be installed should be as flat as possible with minimal surface protrusions or detritus present.
  (Cutting of the DuraMat RF locally around tree stumps or protruding rocks can be achieved with hand held long arm cutters, the edges of the metal mesh should be in contact with any such obstruction when cutting of any such aperture is completed)

- The DuraMat RF should be secured at the top of the slope, in an anchor trench or other prescribed ground fixing system: rolls should then be unrolled down the slope.

- Adjacent rolls can be butted together at the selvage wires if they are to be fixed with either gabion lacing wire or pneumatic hog ring fixing system. Other fixing methods such as pins may require an overlap of the adjacent roll widths and is best determined on site by the Engineer or designer.

- Once the adjacent rolls have been joined together the chosen method of fixing the surface matting to the underlying slope should be installed at a ratio of one fixing per 1m² of the mat and one fixing per 1m down the length of the joint of adjacent rolls; unless otherwise specified by the site Engineer or designer.

- DuraMat RF should be installed with the Rockfall Mesh component on the top. Longitudinal overlaps should be made with lower sections overlaying higher section.

- After fixing of the mat to the underlying surface has been completed the bottom of the rolls at the toe of slope should be cut to the required lengths and then be buried off in an anchor trench or otherwise secured to ensure a permanent fixation to the slope.

The process of laying the material should ideally be undertaken with the use of a mechanical lifting equipment to ease the handling and prevent damage to the material.

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