

Installation Guidelines

MacMat® is manufactured with one rough and one smooth surface. The material should be unrolled onto the slope with the smooth side in contact with the soil.

Site preparation

- Grade and compact the slope to a smooth even surface.
- Leave the last 1-2 inch (25-50 mm) layer of soil loose to minimize soil pockets and improve seed germination.
- When used as an erosion control mat, the seed and fertilizer can be applied either before or after the MacMat® is installed.
- When used as turf reinforcement, place the top soil and seed (or hydroseed) after the MacMat® has been installed.

Anchoring

- Use 6-12 inch (150-300 mm) U-shaped, 8 gauge, metal staples to anchor the mat to the slope.
- Fasten anchors through the TRM and drive flush with the soil surface to provide the maximum pullout strength and slope stability.

Tie-down trenching

- A simple fold into the slope is normally sufficient to anchor MacMat® R. For highly erodible soils, excavate a trench approximately 12 inches (300 mm) deep by 12 inches (300 mm) wide and anchor the mat along the bottom of the trench.
- Backfill and compact to an even surface.

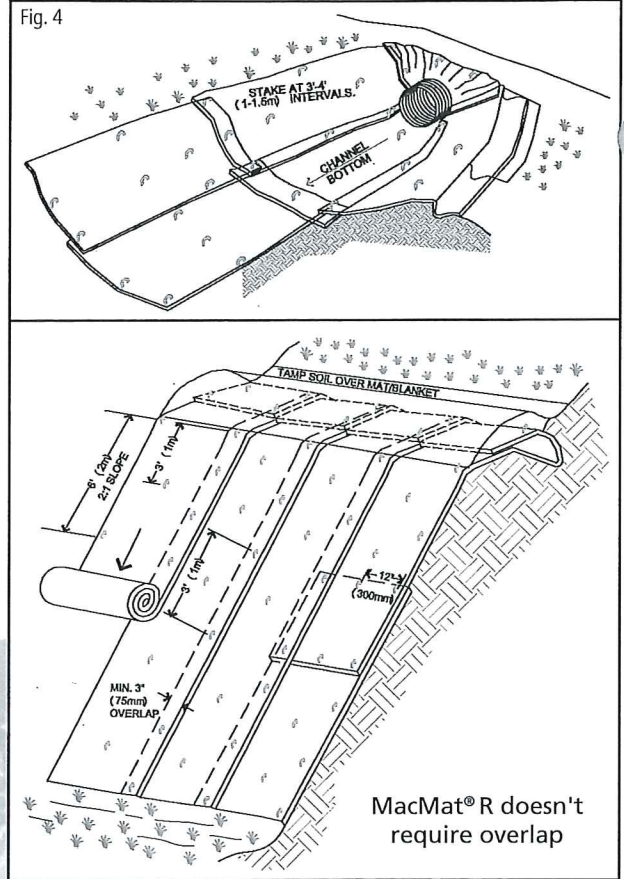
Channel linings

- For channel linings, lay the MacMat® parallel to the direction of the flow (see Fig. 4).
- Adjacent panels of MacMat® should be overlapped like shingles.

Anchor spacing and overlapping

The user shall establish the anchor specifications and spacing recommendations depending upon the existing soil and site conditions. Typical details (see Fig. 4) are:

- Space anchors at 3 foot (1 m) intervals along the top edge of the embankment slope and along the bottom of the tie-down trench 2-3 feet (600-900 mm) back from the top edge of the slope.



- For slope angles of 1:1 (or flatter) and channel linings, install anchors at 3 foot (1 m) intervals perpendicular to the angle of the slope and 4 foot (1.2 m) intervals (staggered) parallel to the angle of slope. For steeper slopes, comply with the engineer's recommendations.
- MacMat® N edges shall be anchored together with a minimum of 3-4 inches (75-100 mm) overlap.
- MacMat® R does not need to be overlapped. The integral steel wire mesh enables adjacent panels to be connected directly to one another using staples or "hog rings", depending upon your application.



After installation and before vegetation



Adjacent MacMat® R panels connected using "hog rings"



After vegetation

MACCAFERRI

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