

ENKAMAT®

3D MAT FOR EROSION CONTROL



Enkamat is a three dimensional polyamide mat with an open structure. It prevents erosion on embankments, slopes and river banks, canals and reservoirs.

Enkamat functions as a protective reinforcing and integrated intermediate layer between natural vegetation and soil. It provides protection above and below the waterline thereby creating a permanent solution. Either seeded, filled with topsoil or mulched, Enkamat keeps the fertile soil in place and prevents the fill from being washed out. Vegetation soon establishes itself with root systems that are reinforced by Enkamat's special mat structure.

Enkamat can be used in many areas where erosion takes place, such as watercourses, embankments, slopes and spillways.

Enkamat is available as an open mat for dry slopes, or as a 'flatback' mat (with a flattened underside) for wet slopes and for use below the waterline.

Functions

- Erosion control
- Stabilization grip layer

Application areas

- Lakes, river embankments, watercourses and secondary coastal applications
- Protection of new or repaired dry slope embankments
- Spillways
- Other areas of erosion
- A stabilization grip layer on rocky slopes, smooth surfaces and geomembranes



Features and benefits

- A permanent and green solution
- Open structure encourages swift vegetation growth
- Reinforces vegetation root systems
- Blends discretely into the landscape
- Remains locked to the ground by root systems
- Adapts easily to soil profiles
- Excellent bonding of individual filaments
- Over 90% voids
- Light, flexible and does not float in water
- High UV resistance
- Maintenance free

Technical details

Enkamat is a strong, three dimensional mat with an open structure, made from high quality polyamide (PA) monofilaments which are welded where they cross. It is available in thicknesses up to 20mm.

Enkamat is produced in rolls up to 4 metres wide. It is available with a 'flatback' for use with stone chip fill where it is permanently submerged below the water level. Enkamat is also available sewn to a textile or fabric for diverse erosion control applications. See other leaflets in this range for further details.

Enkamat creates an artificial root structure by its high filament density – up to 2980m filaments per m².

Datasheets with full technical details and design assistance are available. Contact us for further details.

Quality

The Quality Management System of Bonar has been approved to the ISO 9001 Quality Management System Standard. Certificates are available on request.

Enkamat has been tested by many independent organisations.

Product group

ENKAMAT

Leaflets in this group

ENKAMAT
ENKAMAT J

ENKAMAT W
ENKAMAT A20

Disclaimer

The information in this leaflet reflects the best knowledge at the time of publication. The document is subject to change pursuant to new developments and findings. The same reservation applies to the properties of the products described. No liability is undertaken for results obtained by usage of the products and information.

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