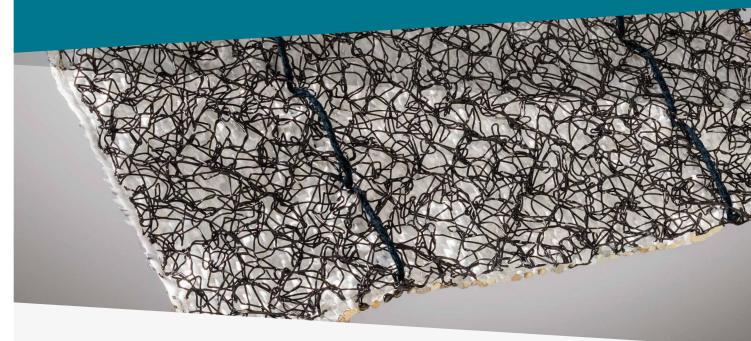
Enka[®]solutions

ENKAMAT[®] W

3D MAT BACKED WITH WOVEN FABRIC FOR EROSION CONTROL



Enkamat W is a 3D polyamide mat sewn to a reinforcing woven fabric, created for the stabilization of soil and vegetation on steep or rocky slopes, geomembranes or geosynthetic clay liners.

On steep and rocky slopes, Enkamat W functions as a grip layer in which soil is retained and seeds germinate easily. Enkamat W is pinned to ensure close contact with the ground.

Smooth surfaces

Where geomembranes are used to cap landfills and line retention ponds or reservoirs, they need to be protected against UV and mechanical damage, usually by a layer of soil which is then vegetated. However, the friction between a smooth geomembrane and soil is too low, allowing the soil to slide off easily. In such cases, Enkamat W will provide the necessary friction and anchorage. A vegetation layer can then be established in areas where this would otherwise have been impossible.

Functions

- Erosion control
- Soil stabilization
- Anchorage
- Surface stabilization

Application areas

- Rocky slopes
- Steep slopes
- Soil stabilization on geomembranes
- Geosynthetic clay liners





Features and benefits

- Prevents soil from sliding on geomembranes ٠
- Stabilizes weathering slopes
- No maintenance needed
- Used with hydramulching on steep slopes
- An integrated and robust solution •
- Open structure encourages fast vegetation growth •
- Follows contours of uneven slopes •
- Light and flexible
- High UV resistance •

Technical details

Enkamat W is a three dimensional, open structured polyamide mat which is sewn to a woven fabric reinforcement and is available in different strengths. Enkamat W is available up to 20 mm thick with tensile strengths up to 200 kN/m. The product can also be used with hydramulching on steep slopes.

Low & Bonar offers full design support for all applications. Data sheets with full technical details are available.

Quality

The Quality Management Systems of Low & Bonar facilities have been approved to the ISO 9001 Quality Management System Standard. Certificates are available on request.

Product group ENKAMAT

Leaflets in this group

ENKAMAT	
ENKAMAT J	

ENKAMAT W ENKAMAT A20

Disclaimer

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