

## ENKAMAT<sup>®</sup> 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
- 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 W

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### Disclaimer

All information and product specifications provided in this document are accurate at the time of publication. As the Low & Bonar Group follows a policy of continuous development the provided information and product specifications may change at any time without notice and must not be relied upon unless expressly confirmed by a relevant member of the Low & Bonar Group upon request. No liability is undertaken for results obtained by usage of the products and information.

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