

ENKAMAT[®] A20

3D MAT FILLED WITH STONE CHIPPINGS
FOR AREAS EXPOSED TO WATER



Enkamat A20 is a three dimensional polyamide mat with an open structure prefilled with a bitumen-bound mineral filter of stone chippings.

When laid on grass seeded soil slopes which are exposed to water, Enkamat A20 provides a permanent solution to issues caused by hydraulic stress in areas where natural erosion would otherwise have prevailed. The product allows the area to become fully vegetated with the appearance of a grass channel. Enkamat A20 offers immediate erosion protection from high water velocities and small wave attack.

Functions

- Water erosion protection
- Resistance to high water velocities

Application areas

- Riverbanks
- Lakes
- Canals
- Reservoirs
- Channels
- Dykes
- Overflow protection zones
- Culverts
- Other surfaces permanently subjected to water impact





Features and benefits

- A permanent solution
- Reinforces vegetation root systems
- Resists high water velocities
- Ensures no hydrostatic pressure build-up behind the protected slopes
- Faster to install than traditional protection systems
- An integrated and robust erosion solution
- Enables root systems to grow and green shoots to sprout through the mat
- Flexible, easily following the profile of the ground surface
- Ensures a natural aesthetic appearance
- No maintenance necessary
- Firmly locked to the ground by the root system

Technical details

Enkammat A20 is a strong, three dimensional mat made from high quality polyamide (PA) with an open structure consisting of looped filaments welded where they cross. It is filled with a bitumen bound mineral filter of stone chippings of 2-6 mm.

Enkammat A20 is 22 mm thick, with a weight of 20 kg/m². Water permeability is 30 mm/s at 100 mm head.

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

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
ENKAMAT J	ENKAMAT A20

Disclaimer

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