info@actigda.com phone: +48 798 265052
GDA Sp. z o.o. Maszynowa 30 80-289 Gdańsk Poland

Product Sheet ActiMat NW50C
Active Mineral Barrier

Product Description

ActiMat is a high specification geosynthetic clay liner, comprising of sodium bentonite encapsulated between two woven and non-woven needlepunched polypropylene geotextiles. All surface of the material is covered with 0,2 mm polymeric membrane.

ActiMat adopts unique self-seeming overlaps technology which doesn't require any additional treatment of its longitudinal edges.

ActiMat NW50C Properties

Property	Test method	Value
Physical properties		
Total mass per unit area[1]	EN 14196	5700 g/sq. meter
Bentonite mass per unit area[1]	EN 14196	5200 g/sq. meter
Hydraulic properties		
Flux index	EN 16416	No flow
Bentonite free swell index	ASTM D5890	24 ml/2g
Water Absorption		600 %
Mechanical properties		
Tensile strength[2]	EN ISO 10319	11.0 kN/m
Static puncture resistance (CBR)[2]	EN ISO 12236	2.1 kN

[1] average, at 12 % moisture content, tolerance 4%
[2] average, tolerance 10%

Application:

- Water reservoirs, dams and river embankments
- Liquid wastes disposals sites, transfer stations, secondary containment
- Transport infrastructure
- Canals
- Solid wastes storage and disposal sites

Advantages:

- Self-healing
- Robust construction
- Limited preparation work
- Easy and quick installation
- Long performance
- All weather installation, including wet and frozen subgrades

info@actigda.com phone: +48 798 265052
GDA Sp. z o.o. Maszynowa 30 80-289 Gdańsk Poland

Installation:

- Unrolled on smooth and compacted subgrade
- Subsequent panels lapped 300mm at leading edges

Packaging:

ActiMat is produced in 5m wide x 40m long panels, rolled onto a 100mm internal diameter central core, and protected with a plastic sleeve. Other panel sizes are available on request.

Storage:

Provided the rolls are kept inside their protective plastic sleeves, further on-site protection is not required.

Safety Instruction

There are no special safety measures required for the handling and installation of ActiMat, other than those normally implemented on construction sites.