

Data sheet

Geo-Construction material „AQUA- Flexx“ and „GEO-Flexx“



Mat: **starlike netting**
Coverings (to be planted in holes)
stabilization of slopes endangered to slip off



Mat: **shingle-type netting**
Mats for the prevention of falling rocks



Mat: **four-component element**
erosion control, underground protection
(hydraulic engineering)
surface stabilization to heavy load



Mat: **crosswise netting
and herring bone lines**
construction roads, disposal coverings

Deployment areas of the mats AQUA-Flexx and GEO-Flexx

Grids and nets for earth-moving and hydraulic engineering

- protection of mountainsides and slopes
- bank- and coast protection
- stabilization nettings for seal kernels in dams
- seal formwork for constant layer thickness
- lining for canals (in connection with sealing compounds)
- underwater-mounting (in connection with sealing compounds)
- sealing – and erosion protection (in connection with sealing compounds)
- dam covering and stabilization
- disposal covering
- bed-protection of earth-moving buildings
- deployment with irrigation and drainage
- erosion protection mats
- erosion protection in harbors and canals

User of the mats AQUA-Flexx and GEO-Flexx

For the deployment of the nets we approach to all companies and users, primarily in the sector of construction and environment:

- all types of construction firms, civil engineering, hydraulic engineering, track construction
- engineering consultants and planning agencies

Technical data AQUA-Flexx and GEO-Flexx

- Modules offered:
 - breadth (prefabricated module) 10,0 / 20,0 / 30,0 meters
 - length (prefabricated module) 4,0 meters
(delivery in rolls)
- modules of other dimensions will be produced according to customer's instructions
- thickness 0,2 meters
- modules will be hung over rockfall endangered walls and can be connected to the walls
 - by steel ropes
- repair of mats without any difficulties is possible on-site
- Kind of nets: shingle-type netting ca. 25 rings/m²
(without additional connecting elements)
- weight: (ca. 25 kg/m²)
 - ca. 1,0 tons/mat (10 x 4 m²)
 - ca. 2,0 tons/mat (20 x 4 m²)
 - ca. 3,0 tons/mat (30 x 4 m²)
- weatherproof, extreme stability
- disintegrate, resistant to microorganisms, brines, acids and bases
- resistant to excreta
- tearproof, tensile strength: minimum 10,5 t/m
- maximal inner shearing strength