



DRENOTER

PATENTED
HIGH-PERFORMANCE
DRAINAGE SYSTEMS

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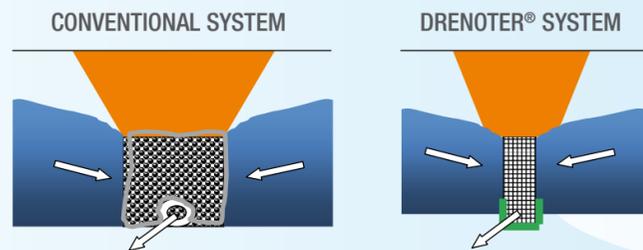
DRENOTER® DRAINAGE PANEL

- 1** Non-woven fabric soil-water filter on sides
- 2** Galvanised steel mesh
- 3** Waterproof drainage membrane (with metal eye-rings for fixing to bottom of modules)
- 4** Polystyrene block draining core
- 5** Patented double seam between end and filter



OPERATING PRINCIPLE:

DRENTER® drainage modules are used as an alternative to aggregate for the construction of modern drainage systems that are safe to install and provide excellent mechanical and hydraulic performance, certified by strict laboratory tests.



| DIFFERENCES | DRENTER® SYSTEM | CONVENTIONAL SYSTEM |
|------------------------------|-----------------|---------------------|
| AGGREGATE NEEDED | NO | YES |
| PIPE IN BOTTOM | NO | YES |
| CERTIFIED PERMEABILITY | YES | NO |
| EASY ACCOUNTING | YES | NO |
| ASSEMBLED PRIOR TO LAYING IN | YES | NO |

SALES FORMAT:

Galvanised steel metal modules with non-woven fabric lining, draining core consisted of small expanded polystyrene blocks.

| PRODUCT | HEIGHT mm | LENGTH mm | THICKNESS mm |
|---------------|-----------|-----------|--------------|
| DRENTER 1.000 | 1.000 | 2.000 | 300 |
| DRENTER 500 | 500 | 2.000 | 300 |

| PRODUCT | HEIGHT m | LENGTH m |
|-----------------|----------|----------|
| MEMBRANE 0,9x50 | 0,9 | 50 |



DRENTER 1.000



DRENTER 500



WATERPROOF MEMBRANE

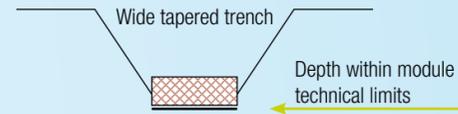
LOADING SURFACE:



| PRODUCT | COMPLETE TRUCKLOAD (PIECES) | COMPLETE TRUCKLOAD (METRES) |
|---------------|-----------------------------|-----------------------------|
| DRENTER 1.000 | 100 | 200 |
| DRENTER 500 | 200 | 400 |

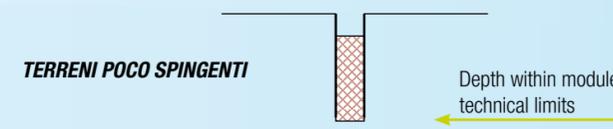
RECOMMENDATIONS FOR EXAVATION AND LAYING OF DRENTER® MODULE

1. laid **OHORIZONTAL**

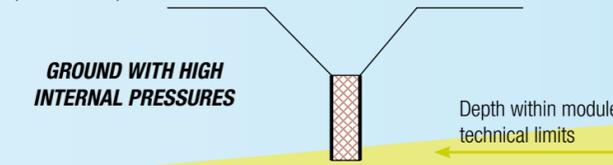


2. laid **VERTICAL**

a) narrow trench closely fitting modules (0.4 - 0.5 m wide):



b) trench tapered at top, then narrow at bottom:



3. **WRONG WAY** to lay modules

DO NOT APPLY LOADS TO MODULE IN THESE CONDITIONS

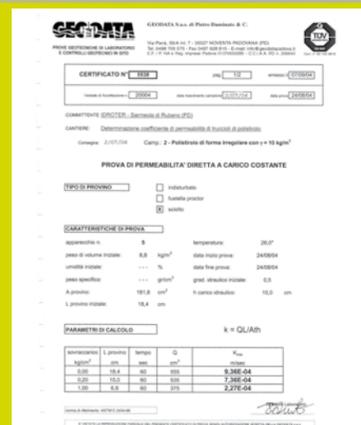


OTHER APPLICATIONS:

| PROBLEM | CONVENTIONAL SOLUTION | DRENTER® SOLUTION | BENEFITS | OPTIONAL SYSTEMS |
|---|-----------------------|-------------------|--|------------------|
| Wall drainage foundation support/drainage (new buildings) | | | No aggregate, no pipe in bottom of trench, quick, safe laying | |
| Groundwater seeping into basements (existing buildings) | | | Barrier not directly against foundation, narrow trench, low-cost operation | Underground sump |
| Anticapillary layer (road building) | | | No aggregates, quick, safe laying, thinner drainage layer | |
| Perimeter drainage for roads/railways | | | No aggregates, quick, safe laying, longer distance between drains | |

LABORATORY CERTIFIED:

Permeability certification (with/without vertical load)



Water shedding test



Certifications of metal mesh mechanical strength

