

Type of geodrain (GDR)	Geocomposite with flexible core
Composition	Polypropylene / Polyester
Main function	Drainage

Texdrain is a drainage composite designed to intercept and accelerate the evacuation of infiltrating waters from pavement structures towards neighboring terrain over the full height /width of the road's foundation. Its manufacturing and hydraulic properties allow for the retention of fine soil particles, thus combining drainage and separation/filtration functions. The product comes in two models: Texdrain 80V for vertical drainage (with sheath for pipe to be inserted) and Texdrain 80H for horizontal drainage (without sheath).

Property	Test Method	TEXDRAIN 80V	TEXDRAIN 80H
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Technical data of geocomposite

Physical			
Thickness	ASTM D5199	7.0 mm	7.0 mm
Construction	-	With filtering sheath for pipe ⁽¹⁾	Without sheath
Hydraulic transmissivity of the draining core (Gradient 1.0) ⁽²⁾			
8 kPa	ASTM D4716	$2.0 \times 10^{-4} \text{ m}^2/\text{s}$	$2.0 \times 10^{-4} \text{ m}^2/\text{s}$
20 kPa	ASTM D4716	$1.5 \times 10^{-4} \text{ m}^2/\text{s}$	$1.5 \times 10^{-4} \text{ m}^2/\text{s}$
50 kPa	ASTM D4716	$0.8 \times 10^{-4} \text{ m}^2/\text{s}$	$0.8 \times 10^{-4} \text{ m}^2/\text{s}$
<200 kPa	ASTM D4716	$0.2 \times 10^{-4} \text{ m}^2/\text{s}$	$0.2 \times 10^{-4} \text{ m}^2/\text{s}$
Dimensions			
Draining core height	-	0.85 m / 1.20 m	0.68 m / 3.4 m
Length	-	30 m	50 m

Technical data of the filtering sheath

Mechanical			
Tensile strength	ASTM D4632		400 N
Elongation at break	ASTM D4632		> 25 %
Trapezoid tear	ASTM D4533		180 N
CBR puncture	ASTM D6241		1200 N
Hydraulic			
Water penetration resistance ⁽³⁾	CAN/CGSB 4.2 No. 26.3		2 cm H ₂ O
FOS ⁽³⁾	CAN 148.1 No. 10		150 µm
Permittivity	ASTM D4491		0.05 sec ⁻¹

Properties are based on the Minimum Average Roll Value (MARV) except when specified otherwise.

Our quality management system is certified by ISO-9001 standard.

Our internal laboratory is certified by the Geosynthetic Accreditation Institute - Laboratory Accreditation Programm (GAI-LAP).

The values entered are values obtained at the time of manufacture. Handling and storage conditions may change some properties.

1- Suitable for all standard drain pipes for road construction. / 2- Typical value / 3- Maximum average roll value

Revision : 2019-10-02