

TECHNICAL DATA SHEET

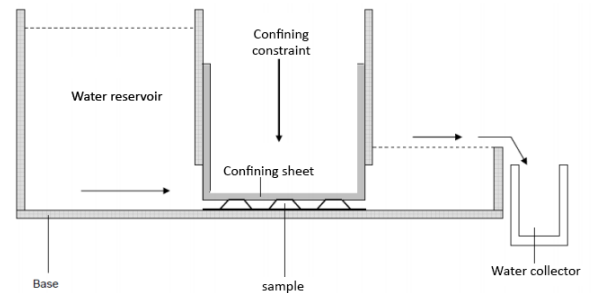
Geoflow is a drainage geo-spacer composed of a three-dimensional grid in HDPE on one side, and a non-woven geotextile on the other side. Geoflow has a very important horizontal drainage capacity.

PROPERTIES	SPECIFICATIONS	NORMATIVE REFERENCES
------------	----------------	----------------------

GEOFLOW					
Product properties	Length	30 m	50 m		
	Width	1 m	2 m		
	Weight	620 g/sqm		EN 965-95	
	Thickness	20 kPa	4.5 mm		EN 964-1-95
		200 kPa	4 mm		
	Tensile strength	DP*	13 kN/m		ISO 10319-97
		TD*	12 kN/m		
	Stretching	DP*	50 %		ISO 10319-98
		TD*	50 %		
Crush resistance	> 1250 kPa		ASTM D 1621		

*DP : Direction of Production / TD : Tranverse Direction

Flow capacity	i= 0,5	$\sigma = 20 \text{ kPa}$	0.83 L/(m.s)	ISO 12958 (samples of 350 x 300 mm, trials on rigid sheets)
		$\sigma = 50 \text{ kPa}$	0.72 L/(m.s)	
		$\sigma = 200 \text{ kPa}$	0.50 L/(m.s)	
		$\sigma = 500 \text{ kPa}$	0.14 L/(m.s)	
	i= 1	$\sigma = 20 \text{ kPa}$	1.15 L/(m.s)	
		$\sigma = 50 \text{ kPa}$	1.05 L/(m.s)	
		$\sigma = 200 \text{ kPa}$	0.80 L/(m.s)	
		$\sigma = 500 \text{ kPa}$	0.26 L/(m.s)	



DRAINAGE GEOGRID

Weight	500 g/sqm		EN 965-95
Thickness	20 kPa	4.2 mm	
	200 kPa	3.8 mm	
Thickness loss due to creep behavior (after 1000h with 200 kPa)	< 3%		EN 1897-1

GEOTEXTILE

Weight	120 g/sqm	ISO 29073-1
Flow capacity (normal plan)	100 L/sqm.s	ISO 11058
Filtration opening	90 μm	EN ISO 12956

σ : Standard pressure on the drainage geogrid plan
 i : Hydraulic gradient
 1 L/(m.s) = 10^{-3} sqm/s

NOTA : The indicated directions can serve as a guide to use the product but cannot be considered as a guarantee of a good working up. Additionally application, utilization and/or transformation of the products escape our control possibilities. As a consequence, they exclusively remain the responsibility of the user and/or the transformer