CE MARKING DECLARATION

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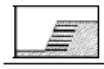
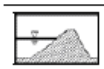
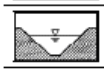
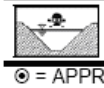
POLGRID BX 45/45 Biaxial Geogrid

Polymer type: POLYPROPYLENE

Properties	Method	Unit	MD	CMD
Tensile strength	EN ISO 10319 ASTM D6637-01	kN/m	48 (-3)	48 (-3)
Elongation at maximum load	EN ISO 10319 ASTM D6637-01	%	15,2 (±5,1)	15,2 (±5,1)
Durability	EN 12224 EN ISO 13438 EN 14030 EN 12225	- Predicted to be durable for a minimum of 25 years in natural soils with 4 < pH < 9 and acid (pH < 4) or alkaline (pH > 9) environments and soil temperature greater than 25℃ on the basis of durability assessment report BTTG 10/15559E – 27/05/2011 and related test results. - To be covered within 1 month after installation		

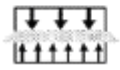
Responds to the Directive 89/106/EEC and harmonized standards: EN 13249, EN 13250.

Applications Standard

	EN 13249 Construction of roads and other trafficked areas	◉
	EN 13250 Construction of railways	◉
	**EN 13251** Earthworks, foundations and retaining structures	○
	EN 13252 Drainage system	○
	EN 13253 Erosion control works	○
	**EN 13254** Construction of reservoirs and dams	○
	**EN 13255** Construction of canals	○
	EN 13256 Construction of tunnels and underground structures	○
	EN 13257 Solid waste disposal	○
	**EN 13265** Liquid waste containment projects	○

◉ = APPROVED

Functions

	F Filtration	○
	**S** Separation	◉
	R Reinforcement	◉
	P Protection	○
	D Drainage	○