

[ CE Technical Data Sheet ]

## Firestone Geomembrane CE

### Description

The Firestone Geomembrane CE is a non reinforced black single-ply synthetic rubber membrane made of Ethylene-Propylene-Diene Terpolymer (EPDM) with a nominal thickness of 1.1 mm.

### Use:

The membrane is used as a polymeric geosynthetic fluid barrier (GBR-P) in the construction of reservoirs and dams, canals, liquid waste disposal sites, transfer stations or secondary containment.

### Characteristics:

Property	Standard	Declared Mean Value	Tolerance
Tensile strength (MD/CD)	ISO R 527	9 N/mm <sup>2</sup>	-1 N/mm <sup>2</sup>
Resistance to static puncture	EN ISO 12236	0.7 kN	-0.1kN
Water permeability (Liquid tightness)	EN 14150	3.0 10 <sup>-6</sup> m <sup>3</sup> /m <sup>2</sup> d	±10 <sup>-6</sup> m <sup>3</sup> /m <sup>2</sup> d
Methane permeability (Gas tightness)	ASTM D1434	2.25 10 <sup>-3</sup> m <sup>3</sup> /m <sup>2</sup> d	
Durability - weathering (25y)	EN 12224	pass	
Durability - oxidation	EN 14575	pass	
Durability - environmental stress cracking	ASTM D 5397-99	NPD	

Manufacturer's declared values in accordance with EN 13361, EN 13362 and EN 13492

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