

Elastoseal H/T, EPDM Geomembrane

Declaration of Performance, EN 13361 / EN 13362 / EN 13491 / EN 13492 / EN 15382



PRODUCT DESCRIPTION

Elastoseal Geomembranes are polymeric geosynthetic barriers made from vulcanised EPDM rubber. The membrane is calandered in two plies and is not reinforced. This gives unique properties when it comes to flexibility and elasticity.

PRODUCT USE

Elastoseal is used as fluid barrier in reservoirs and dams, in the construction of canals, as a fluid barrier in the construction of tunnels and underground structures, in the construction of liquid waste disposal sites, transfer stations or secondary containment and for use in transportation infrastructure. The membrane can be used both covered or uncovered in service.

RELEVANT STANDARD

- EN 13361 Geosynthetic barriers - Characteristics required for use in the construction of reservoirs and dams
- EN 13362 Geosynthetic barriers - Characteristics required for use in the construction of canals
- EN 13491 Geosynthetic barriers - Characteristics required for use as a fluid barrier in the construction of tunnels and underground structures
- EN 13492 Geosynthetic barriers - Characteristics required for use in the construction of liquid waste disposal sites, transfer stations or secondary containment
- EN 15382 Geosynthetic barriers - Characteristics required for use in transportation infrastructure

DoP No.: Elastoseal H/T Geomembrane-2016.01.01
 Type of barrier: GBR-P, Geosynthetic Barrier-Polymeric
 Attestation of conformity system: 2+
 Notified body: 0120 SGS UK
 Certification no.: 0120-CPR-GB16/871083
 CE-marking affixed year: 2007

PRODUCT DATA

Characteristic	Test method	Unit	Value
Tensile strength	12311-2	N/mm ²	9.0
Static puncture	EN ISO 12236	kN	<1.0mm: NPD 1.0mm: 0.75 1.2mm: 0.90 1.5mm: 1.13
Water permeability	EN 14150	m ³ /(m ² *day)	< 10 ⁻⁶
Weathering / UV resistance	EN 12224	%	Δ < 25
Oxidation	EN 14575	%	Δ < 25
Environmental stress cracking	EN 14576	-	NPD ¹
Dangerous substances	EU construction directive	-	No dangerous substances

NPD¹ = No Performance Determined since EN14576 is not relevant to rubber membranes with non-crystalline structure.

01-01-2016, Jörgen Skärin, R&D

