

Datasheet

Gauris EPDM

Geomembrane

About GAURIS

Gauris is all about liners. We think about liners. We live liners. We make everything watertight using liners. And we do that very well. The proof? We receive requests from across the world. It is usually custom work, as no two contracts are the same. Whether it is a swimming pond, water tank, waste heap, roof construction, or a swimming pool – no two projects are the same. They always involve bespoke work and demanding requirements. For the composition of the liner. For the strength.

For the shape. For the use and the required lifespan. For the appearance. For the colour. And for the way in which the liners are 'welded' to each other. After all, a liner is much more than just plastic on a roll. Much more.

Certified Quality

Besides various Certificates as KIWA, we are committed to quality and continuous improvement.

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Geomembrane



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

PRODUCT DESCRIPTION

Gauris EPDM Geomembrane is a polymer geosynthetic made of vulcanized EPDM rubber. The membrane is calendered in two layers and is not armed. This gives it unique properties such as flexibility and elasticity.

PRODUCT USE

Gauris EPDM Geomembrane is used as waterproofing of reservoirs and dams, of channels, as a liquid seal in tunnels and underground structures, in the construction of landfills, transfer stations or reservoirs for liquid waste and for use in transport infrastructure.

RELEVANT STANDARDS

EN 13361 Seals made of geosynthetics	- Required properties for use in the construction of reservoirs and dams
EN 13362 Seals made of geosynthetics	- Required properties for use in the construction of ducts
EN 13491 Geo-plastic seals	- Required properties for use as a liquid seal in tunnels and underground structures
EN 13492 Seals made of geosynthetics	- Required properties for use in the construction of landfills, transfer stations or collection basins for liquid waste
EN 15382 Geosynthetic Seals	- Required Properties for Use in Transport Infrastructure

DoP Number: Gauris EPDM Geomembrane-2016.01.011

Barrier type: GBR-P, Geosynthetic Barrier-Polymeric

Systems of attestation of conformity: 2+

Authority notified by government: 0958 SGS INTRON Certification B.V.

Certification number: 0958-CPR-2036/1

The year in which the CE marking was affixed: 2007

PRODUCT DATA			
Properties	Test method	Units	Value
Tensile strength	12311-2	N/mm	2 9.0
Static load	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 voltage embrittlement (ESC)	EN 14576	-	NPD1
Hazardous substance	EU construction directive	-	Not a hazardous substance

NPD 1 = No Performance Determined. EN14576 = not relevant for rubber membranes with non-crystalline structure.

