

# GreenSeal, EPDM Pondliner

Declaration of Performance, EN 13361



## PRODUCT DESCRIPTION

GreenSeal Pondliner is a polymeric geosynthetic barrier 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

GreenSeal is used as fluid barrier in reservoirs and dams. 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

DoP No.: Greenseal-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: 2014

## PRODUCT DATA

Characteristic	Test method	Unit	Value
Tensile strength	12311-2	N/mm <sup>2</sup>	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 <sup>3</sup> /(m <sup>2</sup> *day)	< 10 <sup>-6</sup>
Weathering / UV resistance	EN 12224	%	Δ < 25
Oxidation	EN 14575	%	Δ < 25
Environmental stress cracking	EN 14576	-	NPD <sup>1</sup>
Dangerous substances	EU construction directive	-	No dangerous substances

NPD<sup>1</sup> = No Performance Determined since EN14576 is not relevant to rubber membranes with non-crystalline structure.

01-01-2016, Jörgen Skärin, R&D

