

Technical Information Sheet

PondEasy™ EPDM Membrane

Packaging	Part Number
1.00 mm from 3 m to 15 m x 30/60 m per roll	W46PES100XXXXXX

Note: membrane may be available in additional thicknesses and in various panel sizes. Please contact your Elevate Representative for more details.

Description

The Elevate PondEasy membrane is a 100% cured lining membrane made of a synthetic rubber Ethylene-Propylene-Diene Terpolymer. It is available in a variety of standard panel sizes for a quick and easy installation. The connection between the different PondEasy panels can be made on-site using the QuickSeam Splice Tape system. The PondEasy is specially designed for decorative ponds.

Preparation

The substrate needs to be compacted, clean, smooth and free of sharp edges, stones, small cavities, loose or foreign materials, vegetation, roots, oil, grease and other materials that may damage the membrane. Organic and compressive grounds will be removed. Erosive and dissolvable grounds will be avoided.

A protective geotextile will systematically be installed between the substrate and the membrane.

Method of Application

Allow the membrane to relax for minimum 30 minutes after unrolling and unfolding before making details. Refer to the Elevate guidelines for specific installation instructions.

Coverage

The dimensions of the membrane are calculated to cover the base of the reservoir, slopes and anchor trenches.

Characteristics

Physical

- Elastomeric membrane with a good combination of high elasticity and tensile strength.
- Excellent resistance to UV and ozone.
- Retains its elasticity even at temperatures as low as -45°C.
- Resistant to temperature shocks up to 130°C.
- Excellent resistance to acid rains. Contact with mineral and vegetable oils, petroleum based products, chlorine, hot bitumen and grease must be avoided.

Technical	Test method	Declared value 1.0 mm	Tolerance	Unit
Mass per unit area	EN 1849-2	1080	± 5%	g/m ²
Tensile strength (MD/CD)	EN 12311-2	9	-1	N/mm ²
Elongation without yield point (MD/CD)	EN 12311-2	≥ 300		%
Dimensional stability	EN 1107-2	≤ 0.5		%
Flexibility at low temperature	EN 495-5	≤ -45		°C
Resistance to static puncture	EN ISO 12236	0.6	-0.1	kN
Distance of the plunger before puncture	EN ISO 12236	110	-5%	mm
Water permeability (liquid tightness)	EN 14150	< 1.10 ⁻⁶	± 10 ⁻⁶	m ³ /m ² .d
Durability - weathering (25y)	EN 12224	Pass		
Durability - oxidation	EN 14575	Pass		
Friction angle	EN 12957-2	≥ 27,5		°
Resistance to root penetration	CEN/TS 14416	Pass		

Note: As European standards continue to develop, please contact our Technical Department or visit www.holcimelevate.com for the latest updates on physical properties.

Storage

Store away from sources of punctures and physical damage. Store away from ignition sources and open flame.

Shelf Life

Unlimited.

Precautions

Take care when moving, transporting and handling to avoid sources of punctures and physical damage. Refer to Product Safety Information Sheet (PSIS) for additional safety information.

Note:

This document is meant only to highlight Elevate products and specifications based on latest knowledge and experience and is subject to change without notice. Above mentioned values are based on tested samples and may vary within applicable tolerances. For latest and complete product and detail information, please refer to the technical information posted on www.holcimelevate.com. Holcim Solutions and Products EMEA BV ("Holcim") takes responsibility for furnishing quality materials which meet Holcim's published product specifications. As neither Holcim itself nor its representatives practice architecture, Holcim offers no opinion on and expressly disclaims any responsibility for the soundness of any structure on which its products may be applied. The selection of the appropriate product and its correct application is the responsibility of the customer and not of Holcim. No Holcim Representative is authorized to vary this disclaimer.