

# Technical Information Sheet

## Firestone PondEasy EPDM



### 1. Description

The Firestone PondEasy EPDM membrane is a 100% cured lining membrane made of synthetic rubber Ethylene-Propylene-Diene Terpolymer. It is available in a variety of standard panel sizes for a quick and easy installation. The PondEasy is specially designed for small decorative ponds such as private fish ponds.

### 2. 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.

### 3. Application

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

### 4. Coverage

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

### 5. Characteristics

#### Physical

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

#### Technical

• Base	Synthetic rubber
• Color	Black
• Solvents	None
• Solids	100 %
• State	Cured

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## 6. Technical Specifications

Physical properties	Test method	0,8 mm	Tolerance	Unit
Tensile strength (MD/CD)	EN 12311-2	8	-1	MPa
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	0.4	-0.1	kN
Water permeability (liquid tightness)	EN 14150	< 1.10 <sup>-6</sup>	± 10 <sup>-6</sup>	m <sup>3</sup> /m <sup>2</sup> .d
Durability - weathering (25y)	EN 12224	Pass		
Durability - oxidation	EN 14575	Pass		
Friction angle	EN 12957-2	≥ 27,5		°

*Note: As European standards continue to develop, please contact Firestone's Technical Department or visit [www.firestonebpe.com](http://www.firestonebpe.com) for the latest updates on physical properties.*

## 7. Packaging / Storage / Shelf life

Thickness (mm)	Width (m)	Length (m)	Weight (kg/m <sup>2</sup> ), incl. Packaging
0.8	3 / 4.5 / 6 / 7.5 / 9 / 10.5 / 12 / 13.5 / 15	30 / 60	0.77

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

**Shelf life:** Unlimited.

*This document replaces any other document published previous. This sheet is meant to highlight Firestone product information based on latest knowledge and experience and is subject to change without notice (check the Firestone website for latest document version). Above mentioned values are based on tested samples and may vary within applicable tolerances. Firestone takes responsibility for furnishing quality materials which meet published Firestone product specifications. No Firestone representative is authorized to vary this disclaimer.*