

# Technical Data Sheet

## ECO-D Synthetic Membrane

<b>1. Description</b>	Non-reinforced, flexible PVC-based waterproofing membrane used to form on-site details. Part of the Ecoflex PVC-p single ply waterproofing system product range.
<b>2. Use</b>	Used to form details in roof waterproofing projects, (new build or refurbishment). Provides high level of waterproofing even under permanent deformation.
<b>3. Properties</b>	Excellent mechanical properties, resistance to wind stress, puncturing, hot/cold cycles, weathering and UV rays and excellent flexibility at low temperatures.
<b>4. Application method</b>	Fully bonded using standard welding techniques. Surfaces must be clean, dry and free from sharp obtrusions. Installation of Ecoflex PVC-p single ply waterproofing systems must be carried out by accredited Axter skilled operatives.
<b>5. Storage</b>	Rolls to be stored horizontally (never crossed) in a dry, cool place.

Characteristics		Standard (BS)	Units	Values
Dimensions	Length	BS EN 1848-2	m	≥20
	Width		m	≥1.05
	Mass per unit area	BS EN 1849-2	kg/m <sup>2</sup>	1.95
	Thickness	BS EN 1849-2	mm	1.5 +5%
Watertightness		BS EN 1928	-	Pass
Tensile force (L / T)		BS EN 12311-2	N/mm <sup>2</sup>	≥15
Elongation maximum tensile force (L / T)		BS EN 12311-2	%	≥300
Resistance to impact		BS EN 12691-A	mm	≥800
Static puncture resistance		BS EN 12230-B	kg	≥20
Tear resistance (L / T)		BS EN 12310-2	N	≥80
Foldability at Low temperature		BS EN 495-5	°C	≤-30
Durability: exposure to UV, heat and water		BS EN 1297		Grade 0
Reaction to Fire		EN 11925-2 / EN 13501-1	Class	E

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