

# Technical Data Sheet

## ECO-D Synthetic Membrane

<b>Description</b>	Non-reinforced, flexible PVC-based waterproofing membrane used to form on-site details. Colour: dark grey. Part of the ECOFLEX/ECOLINE PVC-p single-ply waterproofing system product range.
<b>Use</b>	Used to form details in roof waterproofing projects, (new build or refurbishment). Provides high level of waterproofing even under permanent deformation.
<b>Properties</b>	Excellent mechanical properties, resistance to wind stress, puncturing, hot/cold cycles, weathering and UV rays and excellent flexibility at low temperatures.
<b>Application method</b>	Fully bonded using standard welding techniques. Surfaces must be clean, dry and free from sharp obtrusions. Installation of ECOFLEX/ECOLINE PVC-p single ply waterproofing systems must be carried out by accredited Axter skilled operatives.
<b>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	0.32 or 1.00
	Mass per unit area	BS EN 1849-2	kg/m <sup>2</sup>	1.95 ± 5%
	Thickness	BS EN 1849-2	mm	1.5 ± 5%
Watertightness		BS EN 1928 (B)	-	Pass
Tensile strength		BS EN 527-3	N/mm	≥ 15
Elongation to break		BS EN 527-3	%	≥ 300
Resistance to impact		BS EN 12691(A)	mm	≥ 800
Static puncture resistance		BS EN 12236	N	≥ 1800
Tear resistance		BS EN 12310-2	N	≥ 80
Foldability at Low temperature		BS EN 495-5	°C	≤ - 25
Root resistance		BS EN 13948	-	Pass
Artificial ageing by long term exposure to the combination of UV radiation, high temperature and water		BS EN 1297	Visual (1000 h)	No cracking
Water permeability after 6 hrs at 0.5 Mpa		BS EN 1928 (B) BS EN 14150		Watertight <10 <sup>-6</sup> m <sup>2</sup> m <sup>-2</sup> d <sup>-1</sup>
Durability: oxidation, variation in tensile properties, weathering, variation I tensile properties		BS EN 14575 BS EN 12224	%	≤ 25 ≤ 25
Resistance to thermal ageing in water: variation I tensile strength mass loss		BS EN 14415 (A&B)	-	≤ 25 ≤ 5

The manufacturer reserves the right to modify, without prior warning, the characteristics of this product. No responsibility will be taken for incorrect use of this product.