# Specialist Geomembranes

#### **Technical Data Sheet**

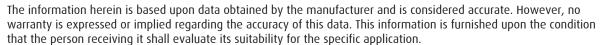
### Landflex™ Self Adhesive Membrane 1.0mW



Building regulations require that proper preventative measures be taken to avoid danger to health & safety when building on contaminated land. Landflex™ Self Adhesive Membrane (SAM) is specifically designed to offer a safe solution for the protection of buildings constructed in areas where gases are present - such as disused mines, coalfields, industrial and landfill sites.

Landflex™ Self Adhesive Membrane is used as part of the Landflex™ Gas Barrier System and is ideal for junctions, lift pits and stanchions. Superior adhesive qualities ensure continuity of protection.

- Resistant to the passage of Methane, Carbon Dioxide & Radon Gas
- Water & Vapour proof
- Laminated metal foil polymer
- Single layer: Simple, reliable
- Cold application: No heating required therefore lower fire hazard.
- White surface self adhesive



Material Properties	Unit	Test Method	Tolerance	Result
Water tightness to liquid water	-	EN 1928		PASS
Resistance to static load	kg	EN 12730		20kg PASS
Tensile properties, maximum tensile stress CD	N/mm²	EN 12311-2		≥2
Tensile properties, maximum tensile stress MD	N/mm²	EN 12311-2		≥2
Tensile properties, elongation at break MD	0/0	EN 12311-2		≥120
Tensile properties, elongation at break CD	0/0	EN 12311-2		≥120
Durability of watertightness against ageing	-	EN 1847 Method A 60 KPa	_	PASS
Durability of watertightness against chemicals	-	EN 1847 Method A 60 KPa		PASS
Resistance to impact	mm	EN 12691		≥500
Resistance to tear (nail shank) CD	N	EN 12310-1		≥100
Resistance to tear (nail shank) MD	N	EN 12310-1		≥100
Reaction to fire	Euro Class			Class F
Joint strength	N	EN 12317-2		≥30
Water vapour transmission (density flow rate)	g/day•m²	EN 1931		0.013
Water vapour transmission (resistance factor, $\mu$ )	μ	EN 1931		2380000
Length	m	EN 1848-2	-0% to +5%	28.6

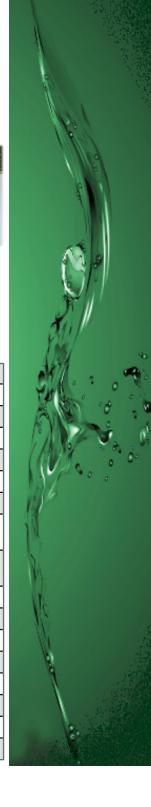


### **Butyl Products Ltd.**

Lingfield House, 11 Radford Crescent, Billericay, Essex, CM12 ODW, United Kingdom.

T: +44 (0) 1277 653 281

E: enquiries@butylproducts.co.uk W: butylproducts.co.uk E: enquiries@butek-landline.co.uk W: butek-landline.co.uk



## **Specialist Geomembranes**

**Technical Data Sheet** 

## Landflex™ Self Adhesive Membrane 1.0mW



Material Properties	Unit	Test Method	Tolerance	Result
Width	m	EN 1842-2	-5% to +5%	1.05
Thickness	mm	EN 1849-2	-5% to +10%	1.00
Mass	g/m²	EN 1849-2	-10% to +10%	1100
Other Data				
Methane GTR	ml/m²•day	ISO 15105-1		<10
Carbon dioxide GTR	ml/m²•day	ISO 15105-1		<10
Radon diffusion	m²/s			5.0 x 10 <sup>-14</sup>
Roll weight	kg			33





**Butyl Products Ltd.**Lingfield House, 11 Radford Crescent, Billericay, Essex, CM12 0DW, United Kingdom.

T: +44 (0) 1277 653 281

E: enquiries@butylproducts.co.uk W: butylproducts.co.uk E: enquiries@butek-landline.co.uk W: butek-landline.co.uk