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**

The information herein is based upon data obtained by the manufacturer and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data. This information is furnished upon the condition that the person receiving it shall evaluate its suitability for the specific application.

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/mm^2	EN 12311-2		≥2
Tensile properties, maximum tensile stress MD	N/mm^2	EN 12311-2		≥2
Tensile properties, elongation at break MD	%	EN 12311-2		≥120
Tensile properties, elongation at break CD	%	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)	$g/day \cdot m^2$	EN 1931		0.013
Water vapour transmission (resistance factor, μ)	μ	EN 1931		2380000
Length	m	EN 1848-2	-0% to +5%	28.6

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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/m^2	EN 1849-2	-10% to +10%	1100
Other Data				
Methane GTR	$ml/m^2 \cdot day$	ISO 15105-1		<10
Carbon dioxide GTR	$ml/m^2 \cdot day$	ISO 15105-1		<10
Radon diffusion	m^2/s			5.0×10^{-14}
Roll weight	kg			33

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