

Protech SAGM

GAS PROTECTION

DESCRIPTION

Protech SAGM is a self adhesive gas and waterproofing membrane for use in detailing and vertical installation applications.

APPLICATIONS

Protech SAGM can be used on any site where Carbon Dioxide, Radon or Methane is present. Methane will occur on any construction, on any sites previously used for landfill. Such conditions can exist on household, commercial and industrial sites. Protech SAGM is perfect for detailing work around awkward penetrations and finishes. It is suitable for vertical, horizontal, stepped and cavity applications, however care should be taken when applying to porous materials that Protech GM Primer be used first.

USAGE

Protech SAGM should be installed in accordance with manufacturers instructions. Protech SAGM consists of an aluminium/polythene laminate coated on one surface, and a bitumen-polymer adhesive compound.

METHOD

Protech SAGM has an easily removal silicone coated paper on the lower side. Release liner should only be removed at the time of use. SAGM installation must not be carried out below 5°C and some warming with a hot air gun may be required between temperatures of 5 and 10°C to ensure a satisfactory seal. Ensure exact positioning prior to removal of the release film, as product will adhere instantly and any repositioning may compromise the adhesive properties.

STORAGE & HANDLING

The product should be stored out of direct sunlight, and should avoid strong acids, alkalis and oxidising agents.



TYPICAL PROPERTIES		
Property	Test Method	Result
Roll Size	EN 1848-2	1.05m x 19.05m
Thickness	EN 1849-2	1.5mm
Weight	EN 1849-2	1700 g/m ²
Water tightness to liquid water	EN 1928	Pass
Resistance to Static Load	EN 12730	20kg Pass
Tensile Properties, Maximum Tensile Stress	EN 12311-2	CD ≥ 2N/mm ² MD ≥ 2N/mm ²
Tensile Properties, Elongation at Break	EN 12311-2	CD ≥ 120% MD ≥ 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	EN 12691	≥ 700mm
Resistance to tear (Nail Shank) CD/MD	EN 12310-1	CD ≥ 110N MD ≥ 110N
Reaction to Fire (Euro Class)	EN 13501	Class F
Joint Strength	EN 12317-2	≥ 45N
Water Vapour Transmission (Density Flow rate)	EN 1931	0.013 g/(day/m ²)
Water Vapour Transmission (Resistance factor, μ)	EN 1931	2380000 μ
Other Data		
Methane GTR	ISO 15105-1	< 10ml/m ² .day
Carbon dioxide GTR	ISO 15105-1	< 10ml/m ² .day
Radon Diffusion	-	5.0 × 10 ⁻¹⁴
Roll Weight	-	33kg



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Revised October 2020