

# PROTECH GM PP

## • HIGH RISK CHARACTERISTIC SITES •

### DESCRIPTION

Protech GM PP is a polypropylene, single layer, cold-applied geomembrane. Protech GM PP is suitable for environmental gas and water protection to structures, balancing ponds, ornamental ponds, reed beds, lagoons, reservoirs and cut-off trenches.

### SPECIFICATION

Protech GM PP is extremely flexible in all directions and should therefore be used for lining lagoons, balancing ponds, swales, SUDS tanks and reed beds. Protech GM PP has a high elasticity and is therefore less likely to fracture under imposed conditions. Protech GM PP can also be used as a gas resistant membrane on new buildings when a greater degree of flexibility is required. Protech GM PP is sufficiently resistant to the ingress of harmful gases into a building or as a liner for waterproofing, provided it is installed in accordance with the manufacturers' instructions.

### VENTING

On sites where venting is required, our Provoid Venting System should be used. We can provide design advice for both passive and active venting systems to suit individual site requirements.

### INSTALLATION

As Protech GM PP requires specialist installers, the A. Proctor Group are happy to advise or recommend installers and liaise between contractors and the design team.



Balancing Pond

TYPICAL PROPERTIES	
Roll Length	50m or 100m
Width	2m or 5.7m
Density	0.9g/cm <sup>3</sup>
Thickness	1.0mm
Colour	Black
PHYSICAL CHARACTERISTICS	
Tensile Strength @ Break ASTM D-638	18N / mm <sup>2</sup>
Elongation @ Break ASTM D-638	>700%
Puncture Resistance	150N
Tear Resistance	60N
Moisture Vapour g/m <sup>2</sup> /day	<0.1
Methane Permeability g/m <sup>2</sup> /24h/atm	<0.16

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## SUITABLE APPLICATIONS

Protech GM PP should be joined by means of hot air or extrusion welding, which should only be carried out by a competent specialist installer.

### Attenuation SUDS tank liner



### Gas Protection to Buildings

