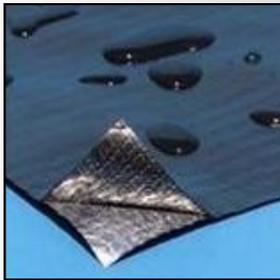


Terrethene has been developed for sub-surface applications. It is a multi-layered membrane made from polyethylene, aluminium foil and high tensile woven substrates that block the migration of vapour, moisture, water and various environmentally harmful gasses.

These laminated films combine to form a membrane that protects against Methane (CH₄), Carbon Dioxide (CO₂) and Radon gases and Hydrocarbon vapours.

An additional benefit is the partial plastic memory, which allows the membrane to be used in three dimensional detailing of building structures.

Terrethene has a gas permeability 0.005cm²/hm²/atm. (Methane transmission rates tested by the Building Research Establishment) Radon improvement factor 500-1. It's a low moisture/vapour transmission rate of less than 0.02 g/m² / 24 hours, ensures it is an excellent barrier to harmful gas, halting their migration into buildings and underground voids such as water sumps.



The membrane has a working temperature range of minus 20°C to plus 80°C. Terrethene can be welded with conventional hot air welding equipment or alternatively sealed with Terreseal double-sided Butyl tape.

The tough 350+ micron membrane is designed for use as a:

- 100% water-proof barrier under buildings.
- Radon gas barrier under buildings.
- Liner for commercial fish farm ponds.
- Gas barrier for landfill sites to prevent the migration of methane and carbon dioxide gases.
- Liner for SUDS (Sustainable Urban Drainage System) trenches.
- Water trap layer under golf greens and sports pitches to prevent water seepage into the sub-soil.
- Water-proof stratum for roof gardens.
- Liner for reed beds
- Meets BS Standards for DPC

Technical Details

Roll Size	1.195 x 50 m 24.8kg
Thickness	460 micron +/- 10 micron
Moisture/Vapour Transmission Rate	0.01 g/m ² / 24 hours
Tensile Strength	9.45 kN/m
Methane Transmission	Less than 0.005cm ³ /h/m ²
Oxygen Transmission	Nil
Radon Improvement Factor	500 -1
CBR	142N
Water Barrier	100%
Temperature Resistant	-20oC to + 80oC
Terreseal™ Gas Barrier Tape	70mm wide x 24m roll
Terreflex™ Adhesive Membrane	1.050m wide x 28.6m roll
Weight and Elongation	415g/m ²