



POWERBASE[®]

GAS & HYDROCARBON BARRIERS

Providing solutions for protection
against ground gas hazards
including methane, radon, CO₂,
hydrocarbons and VOCs.



THE GROUND GAS BARRIER RANGE

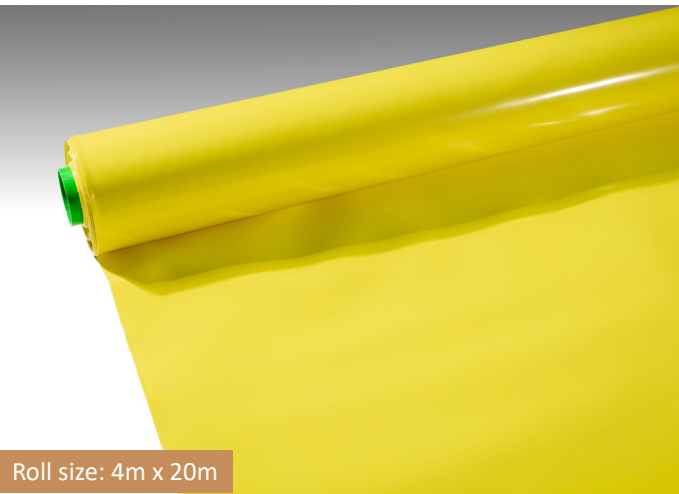
Advanced Membranes for Ground Gas Protection

"protecting what matters"

PROTECTING FROM BELOW

ITP's Powerbase® range of gas barrier membranes provide protection against naturally occurring hazardous gases and soils contaminated with hydrocarbons or toxic industrial pollutants. Also used for groundwater and environmental protection installations.

Powerbase® membranes are ideal for developments on brownfield sites such as old industrial sites or contaminated land require effective gas membrane to prevent harmful gases, hydrocarbons and Volatile Organic Compounds (VOCs) from permeating into buildings.



POWERBASE® LOW PERM GAS BARRIER

For radon, methane and CO₂

Powerbase® Low Perm is a robust and reliable gas barrier membrane for radon and low levels of methane and CO₂. The membrane is independently tested to ISO 15105-1 manometric test method for methane and CO₂.



INDEPENDENTLY
TESTED



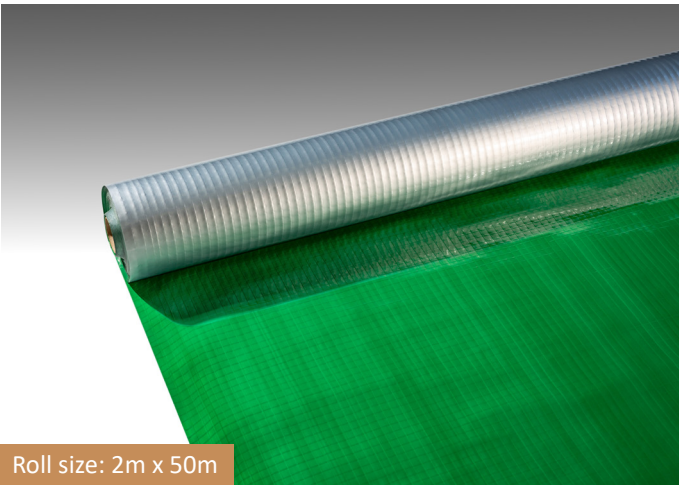
ADVANCED
PROTECTION



SUPPLIED IN ROLLS
FOR JOINING ON SITE



DAMP PROOF
MEMBRANE



POWERBASE® MULTIGAS 300 LDPE BARRIER

For radon, methane and CO₂

Powerbase® Multigas 300 is a premium multilayer reinforced LDPE gas barrier membrane engineered to provide durable and reliable protection for buildings. The product is independently tested to ISO 15105-1. It comes with CE marking confirming that it meets EU safety, health, and environmental protection standards.



INDEPENDENTLY
TESTED



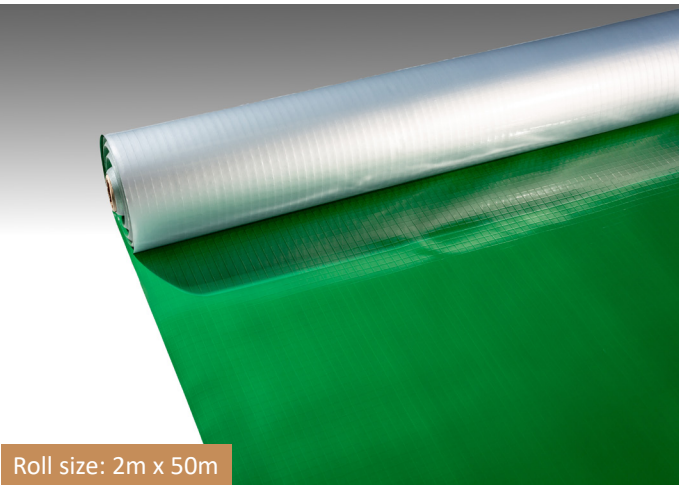
ADVANCED
PROTECTION



HIGH TEAR & IMPACT
RESISTANCE



DAMP PROOF
MEMBRANE



POWERBASE® MULTIGAS 500 LDPE BARRIER

For radon, methane and CO₂

Powerbase® Multigas 500 is a premium multilayer reinforced LDPE gas barrier membrane engineered to provide durable, reliable & exceptionally robust protection. The membrane is independently tested to ISO 15105-1, BBA certified & compliant to BS8485+A1:2019. Multigas 500 comes with CE marking confirming that it meets EU standards.



INDEPENDENTLY
TESTED



ADVANCED
PROTECTION

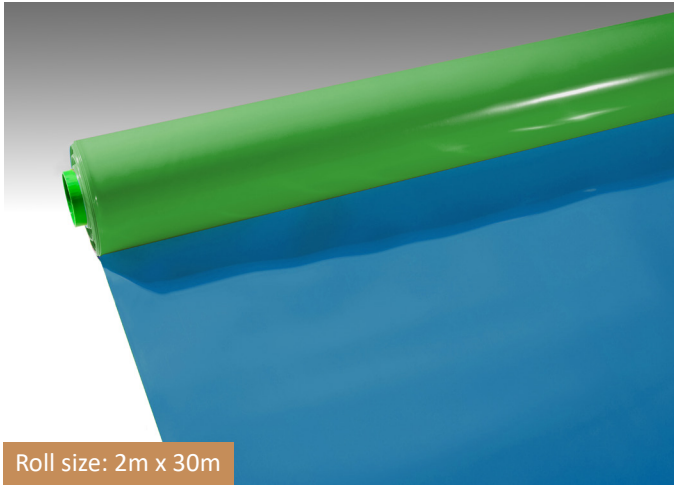


HIGH TEAR & IMPACT
RESISTANCE



DAMP PROOF
MEMBRANE



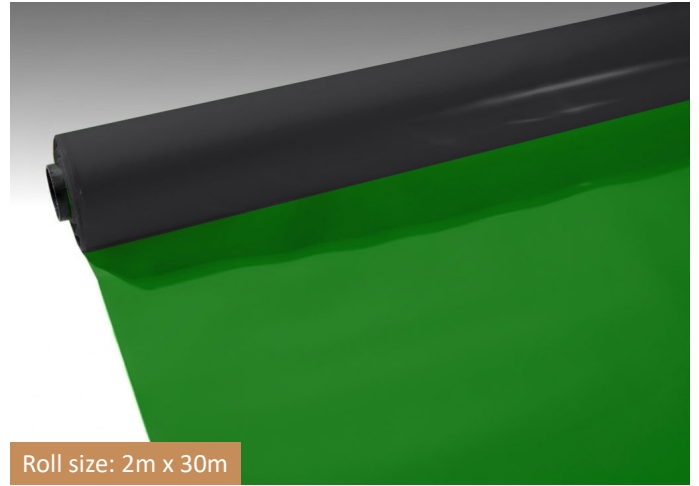
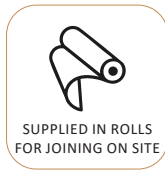


Roll size: 2m x 30m

POWERBASE® VOC NF MULTI-LAYERED BARRIER

For methane, radon, CO₂, hydrocarbons and VOCs

Powerbase® VOC offers exceptional resistance to Volatile Organic Compounds (VOCs) and harmful gases. The membrane comprises protective polymeric layers on both sides of a hydrocarbon and chemical-resistant inner core. Independently tested to ISO 15105-2 and compliant to BS 8485:2015 + A1:2019, providing labour savings due to fewer overlaps required.

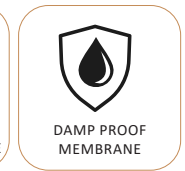
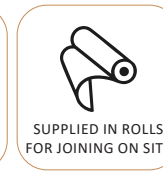


Roll size: 2m x 30m

POWERBASE® GAS NF NON-FOIL BARRIER

For radon, methane and CO₂

Powerbase® Gas NF is developed without an aluminium foil layer to remove the risks associated with foil corrosion and delamination common in traditional systems. Designed in line with current industry guidance and practices, it supports long-term membrane integrity in contact with wet concrete and screed. The product is fully compliant with EN13967, BS8485:2015+A1:2019, and NHBC NF94 guidance.



POWERBASE® ACCESSORIES

Fixtures, adhesives and analytical software

ITP also supplies a range of accessories designed to ensure our Powerbase membranes are correctly deployed and installed to the required standard.

- Foil tape for use with Powerbase® Low Perm, Multigas and VOC
- Foil detailing tape for use with Powerbase® Multigas and VOC
- Double-sided butyl tape for use with Low Perm, Multigas and VOC
- Top hats in a wide range of sizes to suit most protrusions
- Corner pieces available as both internal and external prefabricated items, made to order
- Powerbase® VOC Modeller, a bespoke software application which enables accurate assessment for a wide range of potential contaminants



For more projects
Scan the QR code

PROJECT SPOTLIGHT PORT OF GENOA

ITP's Powerbase® VOC ground barrier membrane was used for the development of industrial land as part of the Port of Genoa Mega-infrastructure Investment Programme in Italy. The program was funded by a 2.3 billion Euro investment addressing the key European transport and logistic priorities of the Port of Genoa.

OTHER PRODUCTS FROM ITP



POWERCLAD®

SCAFFOLD & CONTAINMENT SHEETING

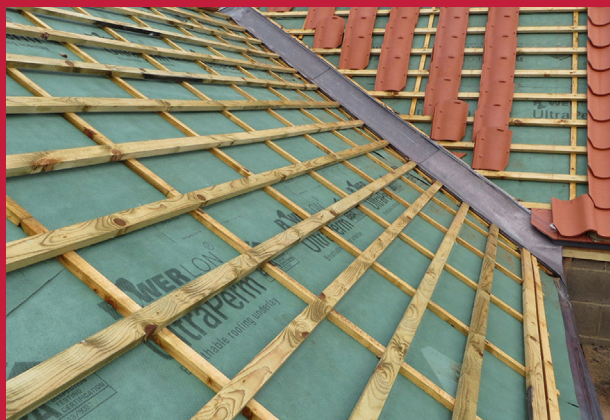
- Scaffold sheeting
- Keder and temporary roof sheeting
- Vented sheeting
- Insulated sheeting
- Debris netting
- Filter sheeting
- Acoustic barriers



FLAMEOUT®

FLAME RETARDANT & NON-COMBUSTIBLE

- Breather membranes
- Vapour control layers
- Façade membranes and house wraps
- Roofing underlays
- Euroclass A2 and Euroclass B options



POWERLON®

ROOFING & BUILDING MEMBRANES

- Roofing underlays
- Wall & House wrap membranes
- Air & vapour control layers
- Façade and thermo-reflective membranes



VISIT OUR PRODUCT DEVELOPMENT AND TESTING FACILITY

Key tests carried out:

- Tensile strength
- Flame retardancy
- Water resistance
- Performance under aged conditions

*If you would like to visit
our testing facility to learn
more about what we offer,
please contact us.*



Industrial Textiles & Plastics Ltd
Stillington Road, Easingwold, York YO61 3FA, United Kingdom

T: +44 (0)1347 825200

E: info@itpltd.com

W: itpltd.com

"protecting what matters"

