



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"

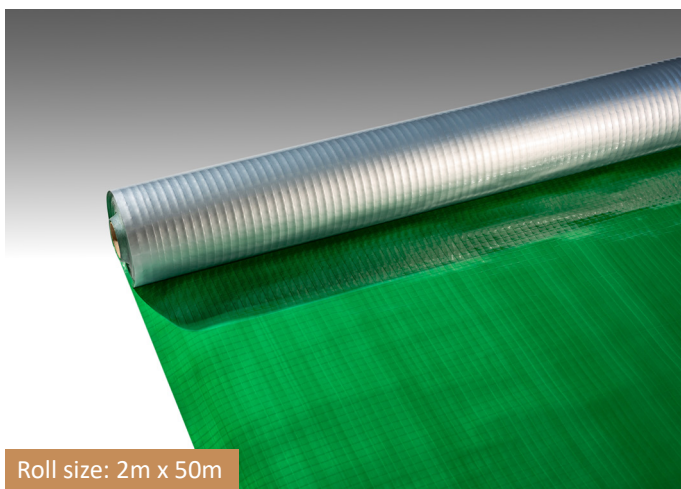
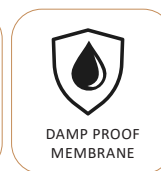
PROTECTING FROM BELOW

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.

TRADITIONAL SYSTEMS

Premium multilayer reinforced LDPE gas barrier membranes.

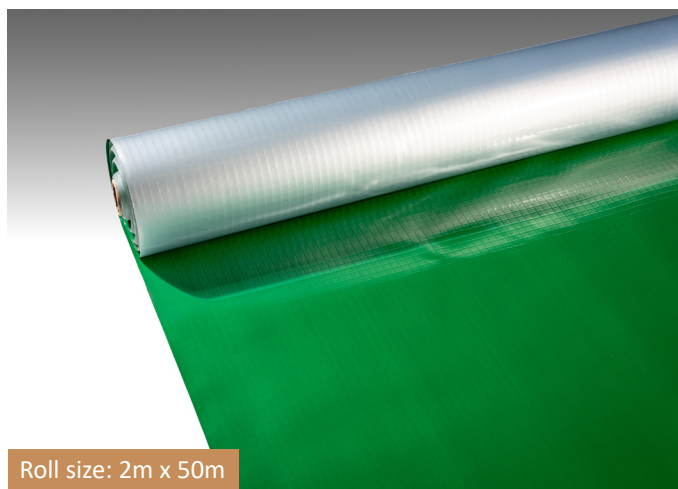


Roll size: 2m x 50m

POWERBASE® MULTIGAS 300 LDPE BARRIER

For radon, methane and CO₂

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.



Roll size: 2m x 50m

POWERBASE® MULTIGAS 500 LDPE BARRIER

For radon, methane and CO₂

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.



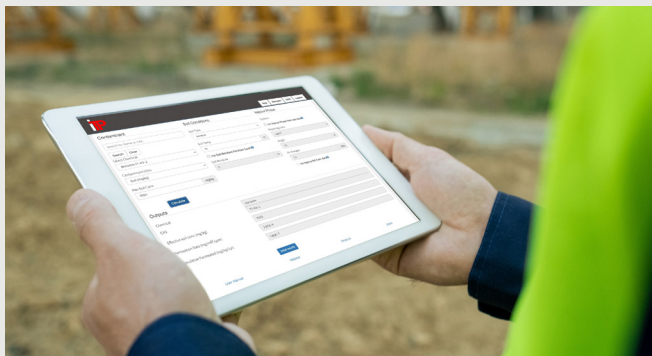
POWERBASE® ACCESSORIES

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.

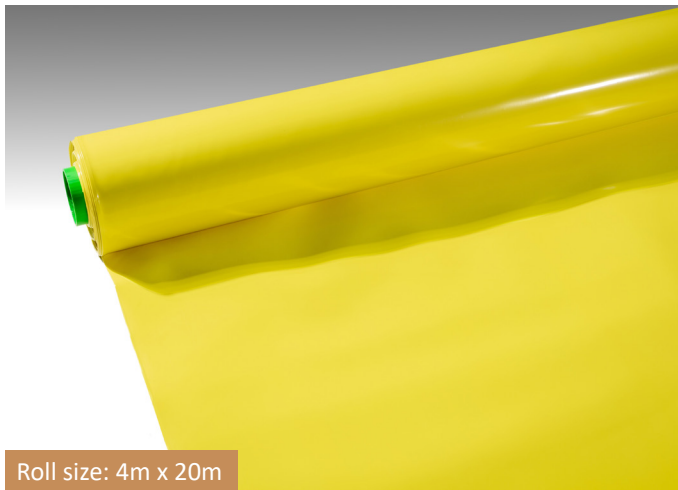
- Foil tape for use with Powerbase® Low Perm, Multigas and VOC
- Foil detailing tape for use with Powerbase® Multigas and VOC
- Double-sided butyl tape for use with Low Perm, Multigas and VOC
- Non-foil overlap tapes
- Top hats in a wide range of sizes to suit most protrusions
- Corner pieces available 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



THE NON-FOIL RANGE

The gas barrier range without the aluminium layer.

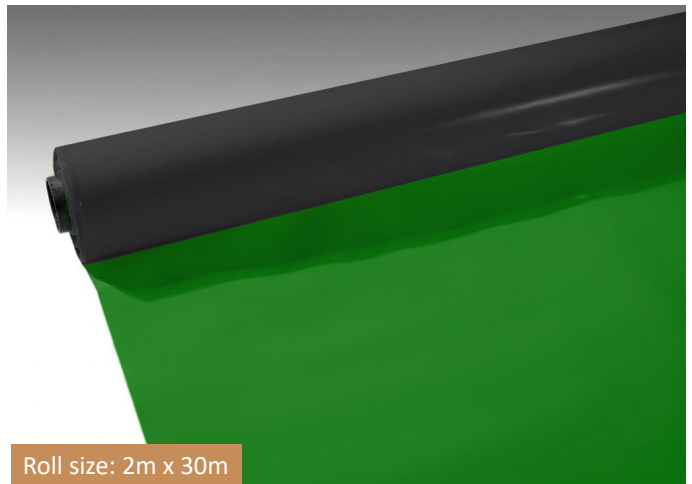


Roll size: 4m x 20m

POWERBASE® LOW PERM NF 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.

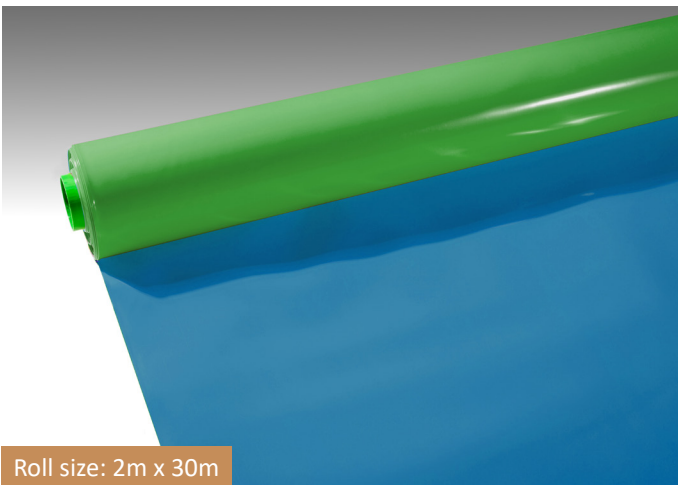


Roll size: 2m x 30m

POWERBASE® GAS NF NON-FOIL BARRIER

For radon, methane and CO₂

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.

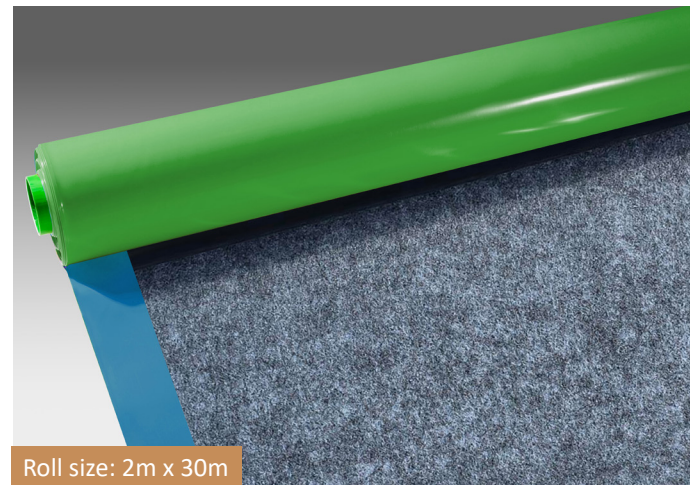


Roll size: 2m x 30m

POWERBASE® VOC NF MULTI-LAYERED BARRIER

For methane, radon, CO₂, hydrocarbons and VOCs

Powerbase® VOC NF 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.



Roll size: 2m x 30m

POWERBASE® VOC NF PRE-APPLIED MULTI-LAYERED BARRIER

For methane, radon, CO₂, hydrocarbons and VOCs

Powerbase® VOC NF Pre-Applied bonds directly to freshly poured concrete through its integrated fleece layer, helping to mitigate the effects of ground subsidence. Providing durable protection against ground gases, VOCs, hydrocarbons and moisture, while complying with EN 13967, NHBC NF94 and BS 8485.



NEED MORE INFORMATION?

Scan the QR code to access product data sheets and further information.

For samples, technical guidance or help with your project requirements, contact our sales team.

OTHER PRODUCTS FROM ITP



POWERCLAD®

SCAFFOLD & CONTAINMENT SHEETING

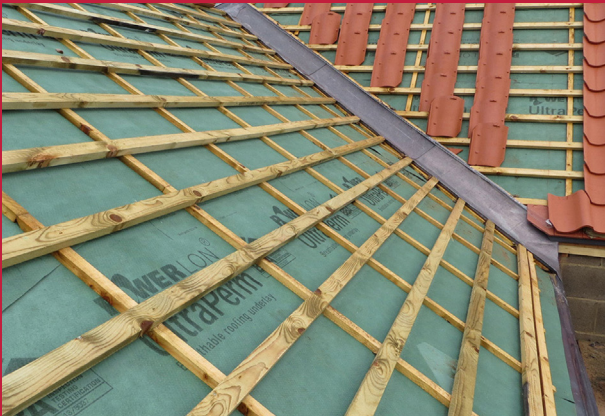
- Scaffold sheeting
- Keder and temporary roof sheeting
- Vented sheeting
- Insulated sheeting
- Debris netting
- Filter sheeting
- Acoustic barriers



FLAMEOUT®

FLAME RETARDANT & NON-COMBUSTIBLE

- Breather membranes
- Vapour control layers
- 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"

