

POWERBASE® GAS BARRIER MEMBRANES

PRODUCT DATA

Revision 6.4

itpltd.com

Powerbase® Radon is an extruded barrier material that provides effective protection against radon gas.

Powerbase® Low Perm is an extruded barrier membrane for radon protection and for low levels of methane and CO₂ where basic protection measures are required.

Powerbase® Multigas Barriers are multilayer reinforced LDPE gas barrier membranes for radon, methane and CO₂. They incorporate an aluminium layer that is protected by a separate coating.

Powerbase® Multigas Tank is a self-adhesive tanking and waterproofing membrane.

PRODUCT	Colour	Overall Thickness / Weight	Tensile strength	Nail tear resistance	Elongation	Accreditation / Compliance	Gas permeability	Temperature range	Water vapour resistance	Sizes	Roll weight	Pallet quantity
		EN 1849-2	EN 12311-1/2	EN 12310-1 Newtons	EN 12311-2 %			°C		metres	kg	rolls
GAS BARRIER MEMBRANES												
Powerbase RADON	Red	0.3 mm	MD/XD 9.9 N/mm ²	MD 235	MD/XD 500	BBA Cert. 17/5414	Radon: 7.2x10 ⁻¹² m ² /s	-40 to +70	Pass EN 1928	4 x 25	29	40
	Red	0.4mm/400 µm	MD/XD 9.9 N/mm ²	MD/XD 235	MD/XD 500	BBA Cert. 20/5837	Radon: 7.2x10 ⁻¹² m ² /s	-40 to +70	Pass EN 1928	4 x 25	??	40
Powerbase LOW PERM	Black	0.5 mm 500 µm	MD/XD 16.5 N/mm ²	MD/XD 360	MD/XD 500	BBA Cert. 20/5837	Radon: 7.2x10 ⁻¹² m ² /s Methane: 216 ml/m ² /day CO ₂ : 952 ml/m ² /day EN ISO 15105-1	-40 to +70	Pass EN 1928	4 x 12.5	24	40
Powerbase MULTIGAS 300	Silver/ Green	0.4 mm 270 gsm	MD 290 N/mm XD 300 N/mm	MD 260 XD 265	MD 19 XD 20	BS8485:2015 CS2 compliant	Methane: 0.041 ml/day/m ² /ATM CO ₂ : 0.195 ml/day/m ² /ATM EN ISO 15105-1 & ASTM D1434 Radon: <7.2x10 ⁻¹² m ² /s	-40 to +70	0.01gsm/day EN 1931 EN 12572(c)	2.0 x 50	28	33
Powerbase MULTIGAS SA	Silver/ Black	0.75 mm 750 gsm	MD 800 N/mm XD 800 N/mm	NT	MD 5 XD 5	BS8485:2015 CS2 compliant	BRE Report 414 EN ISO 15015-1	-20 to +70	Pass EN 1928	1.08 x 30	30.5	23
Powerbase MULTIGAS 500	Silver/ Green	0.5 mm 370 gsm	MD 370 N/mm XD 347 N/mm	MD 295 XD 341	MD 22 XD 16	BS8485:2015+ A1:2019 CS2 compliant	Methane: 0.041 ml/day/m ² /ATM CO ₂ : 0.195 ml/day/m ² /ATM EN ISO 15105-1 & ASTM D1434	-40 to +70	0.01gsm/day EN 1931 EN 12572(c)	2.0 x 50	38	33

Installation:

Join on site with hot-air or hot-wedge welding, or with Powerbond Butyl Tape. See separate installation instructions for full details.

Other Powerbase products:

Damp Proof Membranes • Hydrocarbon and Chemical Resistant Barriers

Powerbase® is a registered trademark of Industrial Textiles & Plastics Ltd. E&OE.

© Industrial Textiles & Plastics Ltd



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

Telephone: +44 (0)1347 825200
Email: technical@itpltd.com
Website: www.itpltd.com



Certificate Number 2318

itpltd.com

DISCLAIMER OF EXPRESS AND IMPLIED WARRANTIES

Subject to the limitations, disclaimers and statements as set forth below, Industrial Textiles & Plastics Ltd represents to the Buyer that the product or products delivered to the Buyer conform(s) to the manufacturer's description and specifications attached to or delivered with the product.

The representation that Industrial Textiles & Plastics Ltd makes to the Buyer that the product or products conform(s) to the manufacturer's description and specifications applies only under such circumstances when the Buyer utilises the product or products as specified and under normal use for which said product was intended.

Any alleged nonconformity shall be made in writing to Industrial Textiles & Plastics Ltd specifically stating and describing any such alleged nonconformity.

The representation by Industrial Textiles & Plastics Ltd that the product or products delivered to the Buyer conform(s) to the manufacturer's description and specification as attached to or delivered with the product is expressly in lieu of all other representations, warranties, expressed or implied, and of all other obligations and liabilities, including consequential damages, on the part of Industrial Textiles & Plastics Ltd. Industrial Textiles & Plastics Ltd neither assumes nor authorises any person to assume for it any other liability in connection with the sale of the product.

The representation of conformity by Industrial Textiles & Plastics Ltd as represented by Industrial Textiles & Plastics Ltd shall in addition to the above be null and void in the event that the product is misused or handled in a negligent manner by Buyer or any third party.

Industrial Textiles & Plastics Ltd shall not be liable for damages or delays, if such occur, on account of defective material or workmanship or delays in shipment, nor will any allowances be granted for any repairs, alterations, work done or expense incurred in connection with any repairs, alterations or replacements except on specific written authority by Industrial Textiles & Plastics Ltd.

Industrial Textiles & Plastics Ltd shall in no way be liable or responsible for injuries or damages to persons or property arising out of the use or operation of the product as herein contemplated, and Buyer hereby agrees to indemnify and save harmless Industrial Textiles & Plastics Ltd from all such liability and responsibility.

Industrial Textiles & Plastics Ltd shall not be liable for any consequential damages for any reason including but not limited to those contemplated herein and whether such consequential damages may have been foreseeable, proximately caused or otherwise occurring.

Due to a policy of continued research and development, Industrial Textiles & Plastics Ltd reserves the right to alter specifications without notice. Products are offered subject to our normal Conditions of Sale, which are available on request.

Samples and specifications are of an illustrative nature and supplied free of charge. They do not form part of any contract or any intended contract with the user. Final determination of the suitability of any information or material for the use contemplated and the manner of use is the sole responsibility of the user and the user must assume all risk and liability in connection therewith.

This disclaimer of Express or Implied Warranties constitutes a significant limitation on the rights and remedies otherwise available to the Buyer, which the Buyer freely and voluntarily acknowledges and accepts as part of the consideration for the contract to purchase the product or products from Industrial Textiles & Plastics Ltd.

Test Results are obtained under laboratory conditions on new material and not under actual usage conditions. Test results only relate to the sample tested. No warranties or assurances of reliability, suitability or fitness for a particular purpose of specimens or data are offered. Assessment of suitability of such material and data for intended use is the sole responsibility of the customer.