



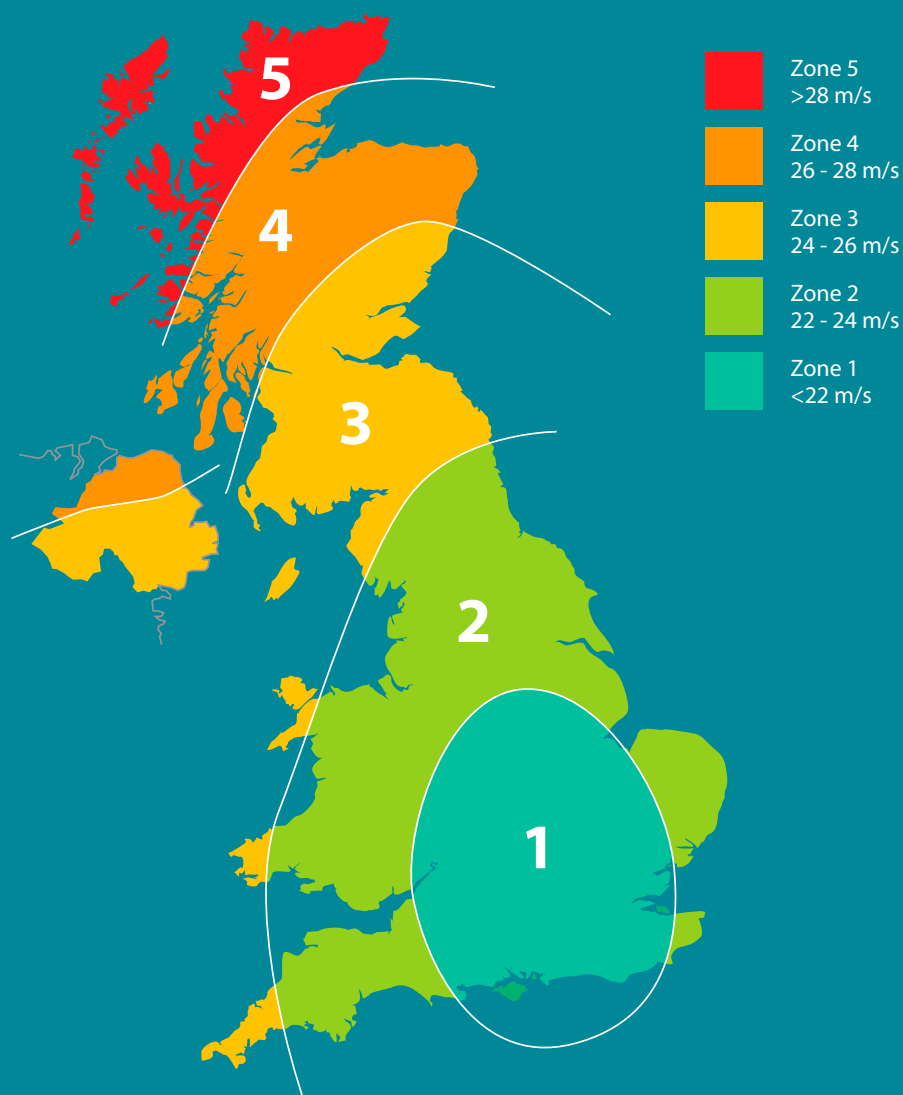
Summary of test results for wind uplift resistance of FAKRO underlays to BS5534 Annex A

Underlay name	345mm batten guage Battened lap	250mm batten guage Battened lap	345mm batten guage Taped lap
<b>Eurotop N15</b>	Zone 1 to 3	Zone 1 to 5	Zone 1 to 5
<b>Eurotop N35</b>	Zone 1 to 4	Zone 1 to 5	Zone 1 to 5*
<b>Eurotop S4</b>	Zone 1 to 3	Zone 1 to	Zone 1 to 5*
<b>Eurotop S65</b>	Zone 1 to 5	Zone 1 to 5*	Zone 1 to 5*

\* Result inferred from test results on other underlays

HIGH VAPOUR PERMEABILITY  
**ROOFING MEMBRANES** 2016

# MAP OF UK WIND SPEED ZONES



Summary of test results for wind uplift resistance of FAKRO underlays to BS5534 Annex A

Underlay name	345mm batten guage Battened lap	250mm batten guage Battened lap	345mm batten guage Taped lap
<b>Eurotop N15</b>	Zone 1 to 3	Zone 1 to 5	Zone 1 to 5
<b>Eurotop N35</b>	Zone 1 to 4	Zone 1 to 5	Zone 1 to 5*
<b>Eurotop S4</b>	Zone 1 to 3	Zone 1 to	Zone 1 to 5*
<b>Eurotop S65</b>	Zone 1 to 5	Zone 1 to 5*	Zone 1 to 5*

\* Result inferred from test results on other underlays



# MEMBRANES WITH HIGH VAPOUR PERMEABILITY



**EUROTOP** membranes are characterised by a unique combination of features such as water-tightness and water vapour permeability. High water-tightness protects the roof structure from:

- seepage and water condensing under roofing,
- wind driven precipitation.

## EUROBAND S

Used for permanent, joining, sealing and mending roofing membranes. It is also recommended for attaching membranes and underlays to elements such as wood, walls, or metal.



Application - external and internal (walls, roof)



Vapour permeability



Watertightness

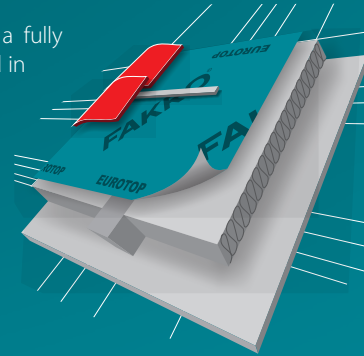


technical parameters	EUROTOP N15	EUROTOP N35	EUROTOP S65	EUROTOP S4
basis weight [g/m <sup>2</sup> ]	115	135	165	155
number of layers	3	3	3	4
vapour permeability [g/m <sup>2</sup> /24h]	2800 g/m <sup>2</sup> /24h 38°C/85%RH Lyssy	2900 g/m <sup>2</sup> /24h 38°C/85%RH Lyssy	2300 g/m <sup>2</sup> /24h 38°C/85%RH Lyssy	3100 g/m <sup>2</sup> /24h 38°C/85%RH Lyssy
vapour permeability coefficient Sd [m]	0,015	0,015	0,015	0,015
water penetration resistance class before and after artificial ageing	CLASS W1			
resistance to tearing lengthwise [N/5cm]	230	280	350	360
crosswise [N/5cm]	150	190	240	280
application temperature range [°C]	from -40 to +120			
UV radiation resistance [month]	3	3	4	3
material	polypropylene			
flammability class	E			
packing [roll/pallet]	36		25	
roll dimensions [m]	1,0 x 50, 1,5 x 50			1,5 x 50
possibility of use on full boarding	yes			
	CE	CE	CE	CE

\*S4 to special order - 20 working days

## ROOFING MEMBRANES

EUROTOP High vapour permeable breather membranes are excellent for use as a fully supported or unsupported roof underlay on tiled or slated pitched roofs constructed in accordance with the relevant clauses of BS 5534 : 2003. They may be used in cold and warm roof details. In keeping with all vapour permeable underlays following the NHBC's directive in relation to cold roof installations, EUROTOP breather membranes should be used with supporting high level ventilation (some commercial buildings may need further technical advice, e.g. swimming pools).



## WATERPROOFING

EUROTOP breather membranes have high waterproofing properties which protect the roof against penetration of water from condensation and a leaky outer roof cover. They also resist penetration of water and consequently may be used as temporary waterproofing prior to the installation of slates or tiles. Excellent water vapour transmission performance ensures that warm moist air which rises up from the building and into the roof construction can pass freely through the breathable underlay. Tests indicate that EUROTOP breather membranes will resist the passage of water and wind blown snow and dust into the interior of the building.

## ENERGY EFFICIENT

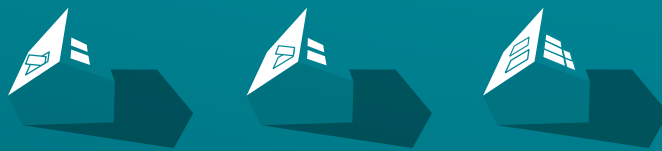
The membranes can be laid directly onto insulation to full rafter height. As a wind protective material they do not allow heat to be drawn away from the insulation. EUROTOP breather membranes have a unique combination of parameters such as waterproofing and water vapour diffusion that enables the fabric to vent moisture whilst remaining fully waterproof, ensuring that the insulation will remain dry.

## HIGH TEAR RESISTANCE

EUROTOP 3 and 4 layer breather membranes have a high tear resistance. The membranes are manufactured by a lamination with an electrostatic field of a water vapour permeable and waterproof film between layers of non-woven polypropylene spun bond to form a flexible sheet. An outer spun bond layer in green and a white bottom layer protect against mechanical damage and also assist in tear resistance.

## WIDE APPLICATION RANGE

The membranes provide long-term resistance to UV and heat radiation and are 100% recyclable and capable of re-use as a raw material. They can also be in a wide range of roofing structures including boarded and roofs covered with metal sheeting.



**FAKRO®**

FAKRO GB LTD  
FAKRO HOUSE  
ASTRON BUSINESS PARK  
HEARTH COTE ROAD  
SWADLINCOTE DE11 9DW

TELEPHONE : 01283 554755, FAX : 01283 224545  
WWW.FAKRO.CO.UK, E-MAIL: SALES@FAKROGB.COM