



**RATIONALISED WIND FACTOR AND MAXIMUM ALTITUDE**

AREA	10 MIN MEAN WIND VELOCITY M/SEC	RATIONALISED WIND LOADING REGION	MAXIMUM ALTITUDE (M)	RATIONALISED WIND FACTOR (Rwf N/M <sup>2</sup> )
ABERDEEN	26.0	EXTRA HEAVY	229	576
ABERDEENSHIRE	27.0	EXTRA HEAVY	184	576
ANGUS	26.0	EXTRA HEAVY	229	576
ANTRIM	26.0	EXTRA HEAVY	229	576
ARGYLL & BUTE	28.0	EXTRA HEAVY	141	576
ARMAGH	26.0	EXTRA HEAVY	229	576
BATH & NORTH EAST SOMERSET	22.5	MEDIUM	226	429
BEDFORDSHIRE	22.0	EXTRA LIGHT	132	350
BLACKBURN WITH DARWEN	23.5	MEDIUM	174	429
BLACKPOOL	24.0	EXTRA LIGHT	38	350
BLAENAU GWENT	23.0	HEAVY	250	466
BOURNEMOUTH	22.0	EXTRA LIGHT	132	350
BRACKNELL FOREST	21.5	EXTRA LIGHT	159	350
BRIDGEND	23.5	HEAVY	223	466
BRIGHTON & HOVE	22.0	EXTRA LIGHT	132	350
BRISTOL	22.5	LIGHT	178	396
BUCKINGHAMSHIRE	21.5	EXTRA LIGHT	159	350
CAERPHILLY	23.0	HEAVY	250	466
CARMARTHENSHIRE	24.5	EXTRA HEAVY	250	576
CAMBRIDGESHIRE	22.0	EXTRA LIGHT	132	350
CARDIFF	23.0	HEAVY	250	466
CEREDIGION	24.5	MEDIUM	126	429
CANNEL ISLANDS	24.0	LIGHT	104	396
CHESHIRE	23.5	MEDIUM	174	429
CLACKMANNANSHIRE	25.5	EXTRA HEAVY	250	576
CONWAY	24.5	EXTRA HEAVY	250	576
CORNWALL	25.0	MEDIUM	103	429
CUMBRIA	24.5	EXTRA HEAVY	250	576
DARLINGTON	23.5	EXTRA LIGHT	60	350
DENBIGHSHIRE	24.0	EXTRA HEAVY	250	576
DERBY	22.0	EXTRA LIGHT	132	350
DERBYSHIRE	22.5	LIGHT	178	396
DEVON	24.0	MEDIUM	149	429
DORSET	23.0	MEDIUM	199	429
DOWN	26.0	EXTRA HEAVY	229	576
DUMFRIES & GALLOWAY	26.0	HEAVY	106	466
DUNDEE	25.0	EXTRA HEAVY	250	576
DURHAM	24.0	EXTRA HEAVY	250	576
EAST DUNBARTONSHIRE	25.5	EXTRA HEAVY	250	576
EAST LoTHIAN	24.5	MEDIUM	126	429
EAST RENFREWSHIRE	25.5	EXTRA HEAVY	250	576
EAST RIDING OF YORKSHIRE	23.0	MEDIUM	199	429
EAST SUSSEX	22.0	EXTRA LIGHT	132	350
EDINBURGH	24.5	HEAVY	173	466
ESSEX	22.5	LIGHT	178	396
FALKIRK	25.5	EXTRA HEAVY	250	576
FERMANAGH	26.0	EXTRA HEAVY	229	576
FIFE	25.0	HEAVY	150	466
FLINTSHIRE	24.0	HEAVY	198	466
GLASGOW	25.5	EXTRA HEAVY	250	576
GLOUCESTERSHIRE	22.5	LIGHT	178	396
GREATER LONDON	22.0	EXTRA LIGHT	132	350
GREATER MANCHESTER	23.5	MEDIUM	174	429
GWYNEDD	25.0	EXTRA HEAVY	250	576
HALTON	23.0	EXTRA LIGHT	83	350
HAMPSHIRE	22.0	EXTRA LIGHT	132	350
HARTLEPOOL	23.5	EXTRA LIGHT	60	350
HEREFORDSHIRE	23.0	LIGHT	152	396
HERTFORDSHIRE	22.0	EXTRA LIGHT	132	350

HIGHLAND	29.5	EXTRA HEAVY	83	576
INVERCLYDE	26.0	EXTRA HEAVY	229	576
ISLE OF ANGLESEY	25.5	MEDIUM	82	429
ISLE OF MAN	26.0	HEAVY	106	466
ISLE OF WIGHT	22.0	EXTRA LIGHT	132	350
ISLES OF SCILLY	25.0	LIGHT	60	396
KENT	22.5	LIGHT	178	396
KINGSTON-UPON-HULL	22.5	EXTRA LIGHT	107	350
LANCASHIRE	24.0	MEDIUM	149	429
LEEDS CITY	23.0	HEAVY	250	466
LEICESTER	22.0	EXTRA LIGHT	132	350
LEICESTERSHIRE	22.0	LIGHT	204	396
LINCOLNSHIRE	22.5	EXTRA LIGHT	107	350
LONDONDERRY	26.5	EXTRA HEAVY	206	576
LUTON	21.5	EXTRA LIGHT	159	350
MEDWAY	22.0	EXTRA LIGHT	132	350
MERSEYSIDE	23.5	LIGHT	128	396
MERTHYR TYDFIL	23.5	EXTRA HEAVY	250	576
MID LOTHIAN	24.5	HEAVY	173	466
MIDDLESBOROUGH	23.5	LIGHT	128	396
MILTON KEYNES	22.0	EXTRA LIGHT	132	350
MONMOUTHSHIRE & NEWPORT	23.0	LIGHT	152	396
MORAY	27.0	EXTRA HEAVY	184	576
NEATH PORT TALBOT	23.5	MEDIUM	174	429
NORFOLK	23.0	LIGHT	152	396
NORTH AYRSHIRE	26.5	EXTRA HEAVY	206	576
NORTH EAST LINCOLNSHIRE	22.5	EXTRA LIGHT	107	350
NORTH LANARKSHIRE	25.5	EXTRA HEAVY	250	576
NORTH LINCOLNSHIRE	22.5	EXTRA LIGHT	107	350
NORTH WEST SOMERSET	22.5	LIGHT	178	396
NORTH YORKSHIRE	23.5	LIGHT	128	396
NORTHAMPTONSHIRE	22.0	EXTRA LIGHT	132	350
NORTHUMBERLAND	24.5	LIGHT	82	396
NOTTINGHAM	22.0	EXTRA LIGHT	132	350
NOTTINGHAMSHIRE	22.5	LIGHT	178	396
ORKNEY	29.5	EXTRA HEAVY	83	576
OXFORDSHIRE	21.5	LIGHT	232	396
PEMBROKESHIRE	25.0	HEAVY	150	466
PERTH & KINROSS	26.5	EXTRA HEAVY	206	576
PETERBOROUGH	22.0	EXTRA LIGHT	132	350
PLYMOUTH	24.0	MEDIUM	149	429
POOLE	22.0	EXTRA LIGHT	132	350
PORTSMOUTH	22.0	EXTRA LIGHT	132	350
POWYS	23.5	MEDIUM	174	429
READING	21.5	EXTRA LIGHT	159	350
REDCAR & CLEVELAND	23.5	EXTRA LIGHT	60	350
RENFREWSHIRE	26.0	EXTRA HEAVY	229	576
RHONDDA CYNON TAFF	23.5	EXTRA HEAVY	250	576
RUTLAND	22.0	EXTRA LIGHT	132	350
SCOTTISH BORDERS	24.5	LIGHT	82	396
SHROPSHIRE	23.0	HEAVY	250	466
SLOUGH	21.5	EXTRA LIGHT	159	350
SOMERSET	23.5	MEDIUM	174	429
SOUTH & EAST AYRSHIRE	26.0	HEAVY	106	466
SOUTH GLOUCESTER	22.5	LIGHT	178	396
SOUTH LANARKSHIRE	25.5	EXTRA HEAVY	250	576
SOUTH YORKSHIRE	22.5	LIGHT	178	396
SOUTHAMPTON	22.0	EXTRA LIGHT	132	350
SOUTHEND	22.0	EXTRA LIGHT	132	350
STAFFORDSHIRE	22.5	MEDIUM	226	429
STIRLING	26.5	EXTRA HEAVY	206	576
STOCKTON-ON-TEES	23.5	LIGHT	128	396
STOKE-ON-TRENT	22.5	MEDIUM	226	429

SUFFOLK	23.0	EXTRA LIGHT	83	350
SURREY	21.5	LIGHT	232	396
SWANSEA	24.0	MEDIUM	149	429
SWINDON	21.5	EXTRA LIGHT	159	350
TELFORD & WREKIN	22.5	MEDIUM	226	429
THURROCK	22.0	EXTRA LIGHT	132	350
TORBAY	23.5	LIGHT	128	396
TORFAEN	23.0	HEAVY	250	466
TYNE & WEAR	24.0	EXTRA HEAVY	250	576
TYRONE	26.5	EXTRA HEAVY	206	576
VALE OF GLAMORGAN	23.5	HEAVY	223	466
WARRINGTON	23.0	EXTRA LIGHT	83	350
WARWICKSHIRE	22.0	MEDIUM	250	429
WEST BERKSHIRE & NEWBURY	21.5	LIGHT	232	396
WEST DUMBARTONSHIRE	26.0	HEAVY	106	466
WEST LoTHIAN	25.0	HEAVY	150	466
WEST MIDLANDS	22.0	EXTRA LIGHT	132	350
WEST SUSSEX	22.0	EXTRA LIGHT	132	350
WEST YORKSHIRE	23.0	HEAVY	250	466
WESTERN ISLES	31.0	EXTRA HEAVY	31	576
WILTSHIRE	22.0	EXTRA LIGHT	132	350
WINDSOR & MAIDENHEAD	21.5	EXTRA LIGHT	159	350
WOKINGHAM	21.5	EXTRA LIGHT	159	350
WORCESTERSHIRE	22.5	EXTRA LIGHT	107	350
WREXHAM	23.5	HEAVY	223	466
YORK	23.0	EXTRA LIGHT	83	350

TYNE & WEAR INCLUDES: Gateshead, Newcastle, North & South Tyneside and Sunderland

WEST YORKSHIRE INCLUDES: Calderdale, Bradford, Kirklees and Wakefield

SOUTH YORKSHIRE INCLUDES: Barnsley, Doncaster, Rotherham and Sheffield

GREATER MANCHESTER INCLUDES: Bolton, Bury, Manchester, Oldham, Rochdale, Salford, Stockport, Tameside, Trafford and Wigan

WEST MIDLANDS INCLUDES: Birmingham, Coventry, Dudley, Sandwell, Solihull, Walsall and Wolverhampton

GREATER LONDON INCLUDES: All London Boroughs

For SHETLAND ISLANDS seek specialist advice.

Note: The rationalised wind loading factors (Rwf) are all stated at 10m above ground and for a mean return period of 25 years.