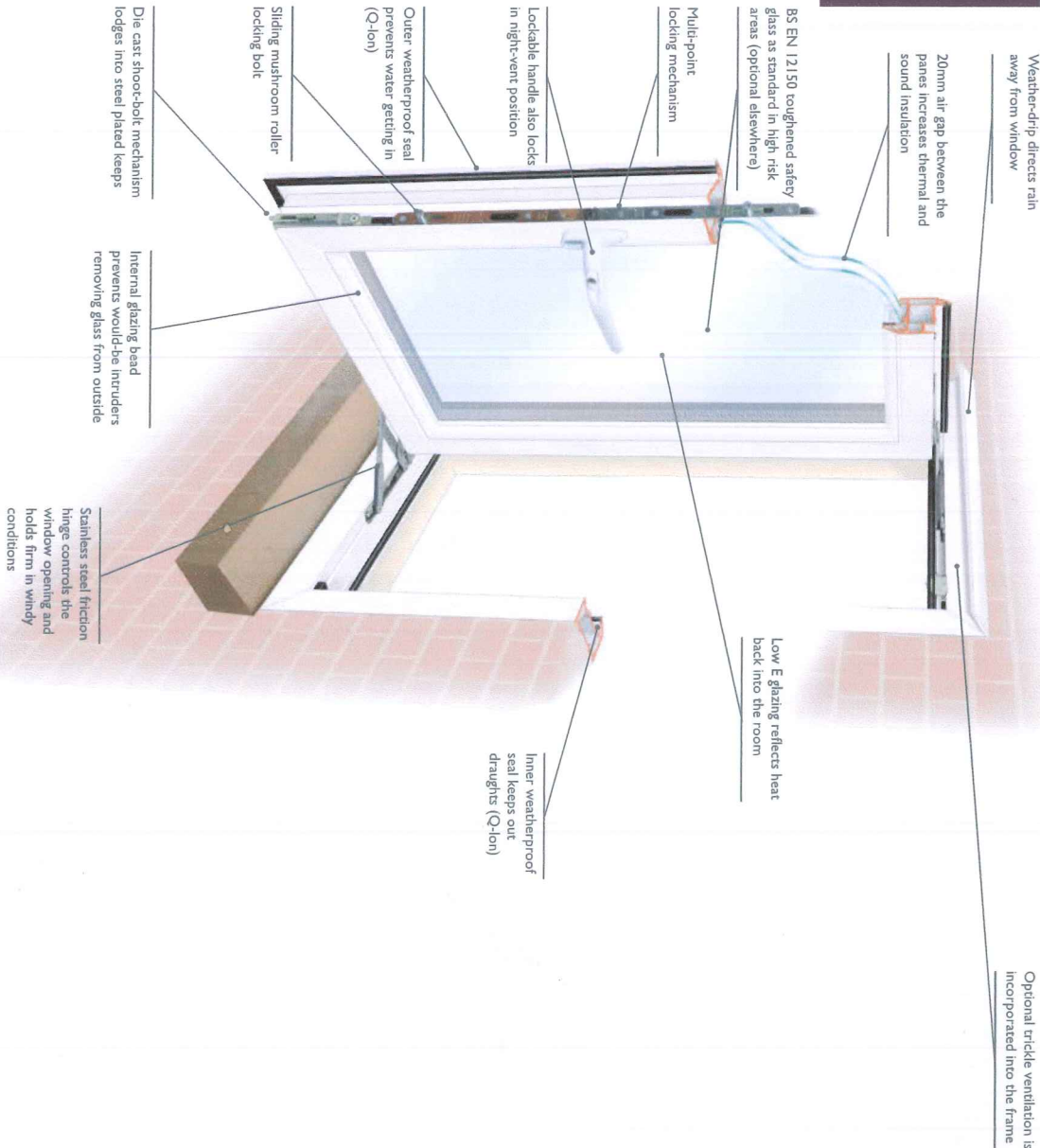


UPVC Essentials casement windows



Windows



What makes Everest Essentials UPVC Casement Windows better?

Design

- Everest Essentials range of white UPVC windows
- Featured classic profile
- A selected range of designs
- All made-to-measure for a perfect fit
- Choice of obscure glass and leaded glass options
- Optional internal Georgian bars

Thermal performance

- A-rated thermal performance
- 20mm Argon-filled gap in sealed unit for optimum insulation
- Low E glass reflects heat back into the room
- Rebated window with double weather-resistant seal

Security

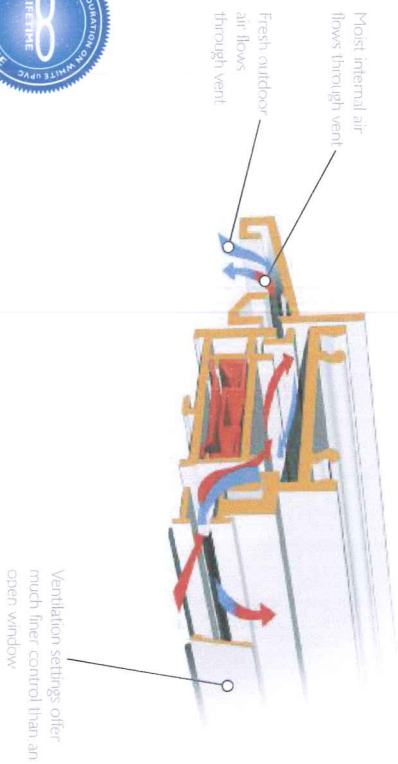
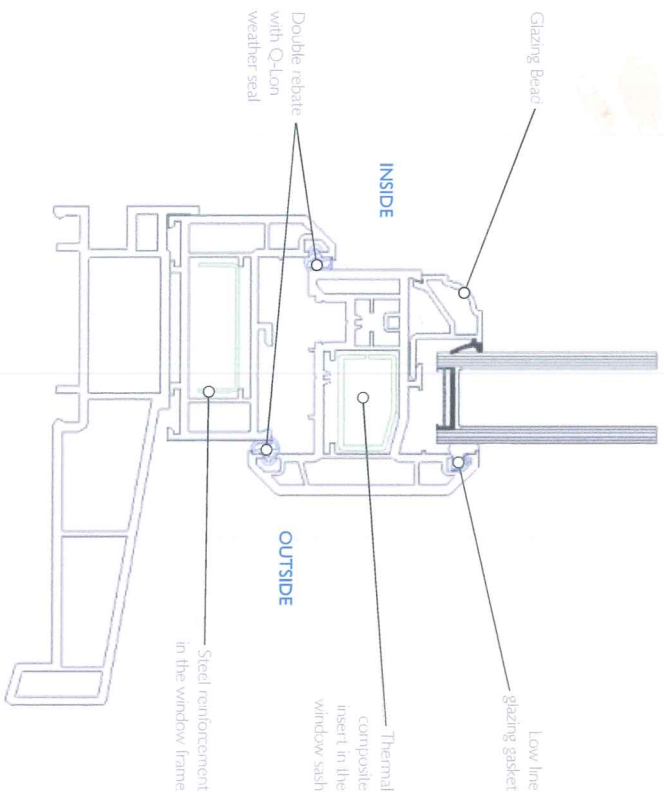
- Multi-point stainless steel locking mechanism with hinge-side security brackets
- Tested to BS7950 for security
- Internal glazing bead prevents removal of glass from the outside
- Lockable night vent position allows air to circulate while the window remains locked

Long term peace of mind

- 10 year guarantee on the whole window
- Easy clean hinge
- Easy to clean and virtually no maintenance
- Durable finish: UPVC will never rot, flake or rust

Safety

- Egress hinge fitted as standard in selected windows above ground level to enable evacuation during emergencies
- BS EN 12150 – 1:2000 thermally toughened safety glass fitted as standard within 80cm of floor level and where necessary



uPVC Profile

Virgin Grade uPVC

- Everest only use the most pure uPVC available (virgin uPVC) that is not contaminated by recycled materials or other particles
- This allows us to offer a lifetime guarantee against discolouration of the standard white profile

Multi-Chamber Profile

- Everest's unique multi-chamber profile has 4 separate chambers
- Each chamber holds a pocket of air which creates a barrier against heat moving through the frame by convection
- These air pockets also dampen sound waves therefore minimising the transfer outside noise across the frame

Reinforcement

- Everest use steel where required in our uPVC profile in order to create a rigid core that can withstand the expansion and contraction of the uPVC profile in changing weather conditions
- Everest also use a thermal composite to provide strength to the uPVC profile without compromising on thermal efficiency

Trickle Ventilation

- Trickle vents allow a constant but discreet flow of fresh air into the room in a controllable manner

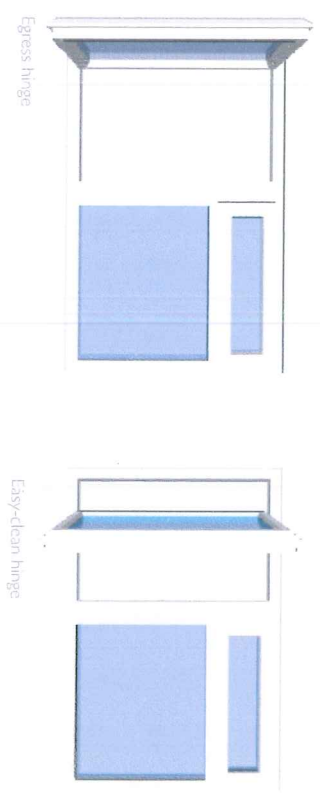
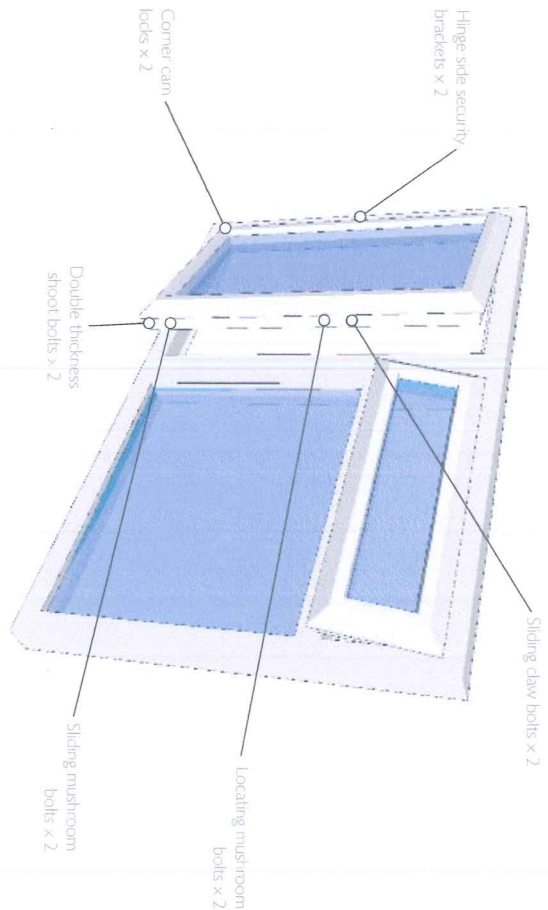
Rebated Design

- The double rebated design is lined with an integral Q-Lon weather seal which creates an impenetrable seal against air and moisture around the whole window

- Q-Lon is a closed cell memory foam which means that it will always keep its shape and will not be compromised by exposure to moisture.

Weather Drip

- The weather drip deflects rain water away from the window to provide extra protection against the elements



Hardware

Multi-Point Bi-Directional Locking Mechanism

- 1 Sliding claw bolts x 2
- 2 Locking mushroom bolts x 2
- 3 Sliding mushroom bolts x 2
- 4 Double thickness shoot bolts x 2
- 5 Corner cam locks x 2
- 6 Hinge side security brackets x 2

Extensively Stainless Steel

- Stainless steel hardware is inherently strong and resistant to corrosion
- This is part of the reason why Everest can provide a 10 year fully comprehensive guarantee on the whole window

Key Locking handles

- Key lockable handles provide additional security for your home and come as standard on Everest windows

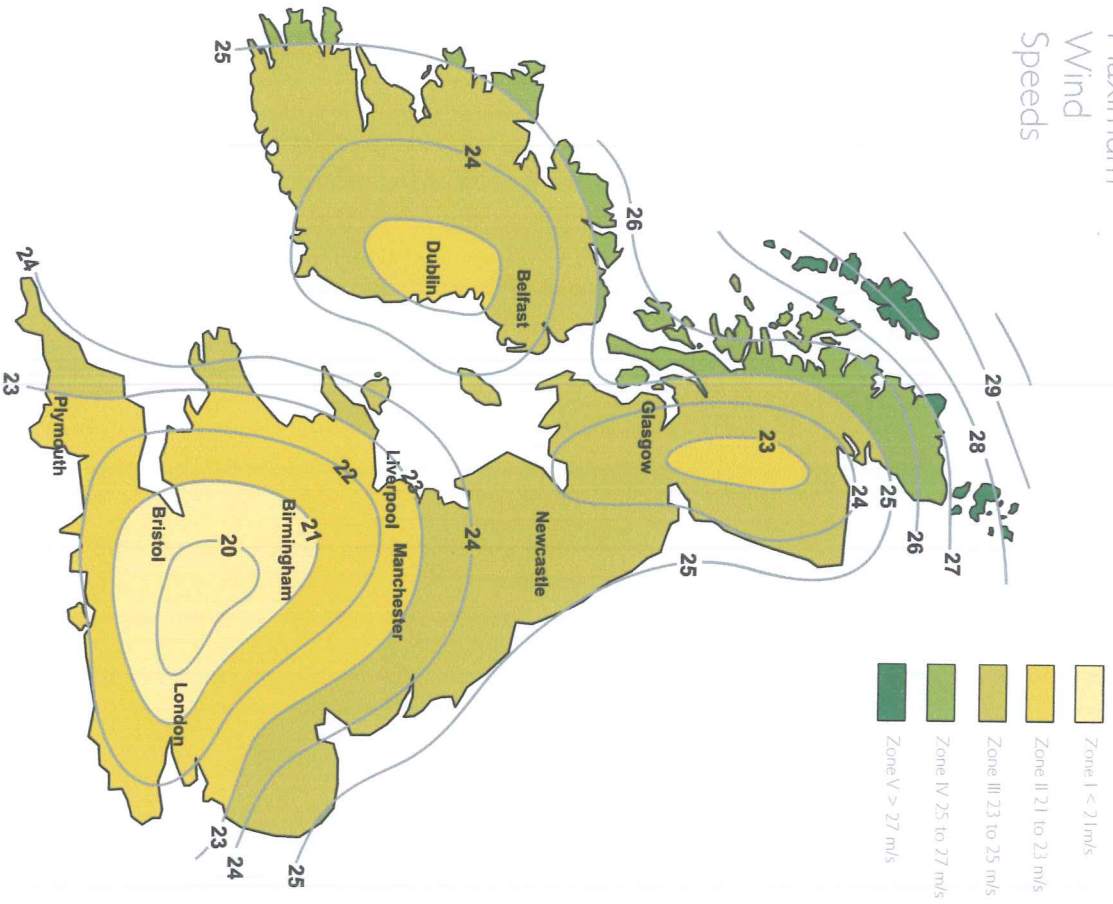
Hinges

- Easy clean hinges are fitted as standard allowing you to clean the outside of your windows from the inside
- Egress hinges are fitted at no extra cost, where required, to aid escape in the event of a fire

Night Vent Position

- Secure night vent keeps allow the window to be locked securely in a ventilation position

Maximum Wind Speeds



Testing

Wind Loading

- The British Standard for wind testing uses a map showing maximum wind speeds in different areas of the country
- The highest wind speed for mainland Britain is 27 metres per second
- At a height of between 10 and 15 metres and in the most exposed area this is a maximum load of 1759 Pascals exerted on the window
- Everest uPVC Casement Windows are tested to 2400 Pascals

Site wind speed (m/s) at sea level	Height of window above the ground (metres)	Wind load at level (Pa) for site terrain category (see map)					
		A	B	C	D	E	F
21	≤ 3	737	627	592	517	485	453
	> 3 and ≤ 6	877	796	747	747	699	663
	> 6 and ≤ 10	985	930	867	930	888	836
23	> 10 and ≤ 15	1054	1030	963	1054	1030	974
	≤ 3	884	752	710	621	583	546
	> 3 and ≤ 6	1053	955	896	895	839	795
25	> 6 and ≤ 10	1182	1116	1076	1116	1065	1003
	> 10 and ≤ 15	1276	1235	1155	1276	1235	1165
	≤ 3	1045	888	839	732	688	645
27	> 3 and ≤ 6	1244	1128	1059	1059	991	945
	> 6 and ≤ 10	1396	1319	1229	1319	1258	1185
	> 10 and ≤ 15	1508	1459	1365	1508	1459	1380
27	≤ 3	1219	1036	979	855	803	752
	> 3 and ≤ 6	1450	1315	1235	1225	1155	1095
	> 6 and ≤ 10	1629	1538	1433	1538	1468	1382
27	> 10 and ≤ 15	1759	1702	1592	1759	1702	1618

- Wind speed from map = metres per second
- Height of window above the ground = metres
- Type of terrain – city to open terrain, e.g. A = completely open
- Maximum load for mainland Britain is 1759 Pascals
- Everest uPVC Casement Windows tested to **2400 Pascals**

BS 7650/7412
PVC-U Improved
Security Windows
KM/3334

BS EN 12150
1 Thermally Toughened
Safety Glass
KM/7077

BS EN 12489
PVC-U Extruded
Profiles
KM12894

BS 7412
PVC-U Windows
KM12891

BS EN 1482
Facade Brackets
KM/51316

PAS 024-1
Enhanced Security
Performance for
Door Assemblies
KM/5335

BS EN 1279
2 & 3 Sealed Units
KM/7011

PAS 023-1
General Performance
for Door Assemblies
KM/6033

BS 4873
Aluminium Windows
KM/7187

BS 7619
White PVC-U
KM/51726

BS EN 607
Gullies and
Gutter Filings
KM/51318

BS EN 12200
Downpipes and
Downpipes
KM/51319

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of PVC-U Products
FM11964

REGISTERED
For manufacture
of Aluminium Products
FM1030

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and Aluminium Products
FS12831

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- Cast Iron guarantees from a company you can trust
- Nearly 2 million UK homes improved over 45 years

Peace of Mind