



EN 14351-1:2006+A1:2010



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VELUX roof window **GZL --- --59D**  
intended to be used in domestic and commercial locations

Edition: 01 Feb. 2011

**Essential performance characteristics**

1&2	Resistance to wind load	<b>class C3 <sup>(1)</sup></b>
3	Resistance to snow load	<b>4 mm toughened–16 mm–4 mm float</b> (outer glass pane–cavity–inner glass pane)
4	Reaction to fire	<b>E</b>
4	External fire performance	<b>npd</b>
5	Watertightness	<b>class 9A</b>
8	Impact resistance	<b>class 3</b>
9	Load-bearing capacity of safety devices	<b>passed</b>
10	Sound insulation	<b>29 (0; -3) dB</b>
11	Thermal transmittance	<b>1,4 W/(m<sup>2</sup>K)</b>
12	Total solar energy transmittance	<b>0,60</b>
13	Light transmittance	<b>0,77</b>
14	Air permeability	<b>class 2</b>

(1) For window width > 1140 mm or height > 1398 mm: npd  
npd = no performance determined