



EN 14351-1:2006+A1:2010



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

Edition: 01 March 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><br>(outer glass pane–cavity–inner glass pane) |
| 4   | Reaction to fire                        | <b>class 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>32 (-1; -4) 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>0,79</b>                                                                          |
| 14  | Air permeability                        | <b>class 3</b>                                                                       |

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