

INAB Accredited Air Tightness Test Report

**Report Number : 7833**



**67 Bancroft Avenue, D24 WY6P**



 +353 (0) 429419086

 info@bctsltd.ie

 [www.bctsltd.ie](http://www.bctsltd.ie)

 Árd Easmuinn Road, Dundalk, Co Louth, A91 N5FN

 +44 (0) 28 3888 2938

 info@bctsltd.com

 [www.bctsltd.com](http://www.bctsltd.com)

 Newforge Road, Magheralin, Co Armagh, BT67 0QW

|  |  |  |
| --- | --- | --- |
|  |  |  **INAB ACCREDITED AIRTIGHTNESS TEST REPORT** |
| **Report Number 7833 (29604) INAB ISO 17025 rEGISTRATION nUMBER: 390T**  |
|  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Date OF TEST:** | **Performed for:** | **Performed by:** | **Operator Location:** |
| **09/08/2024** | **Be Energy Partners Ltd** | **Brian P Cunningham** | **Inside** |
|  |  |  |  |  |  |
| **BUILDING DETAILS:** |
| **Site address:** | **67 Bancroft Avenue, D24 WY6P** |
| **Building Type:** | **House** |
| **Construction:**  | **Traditional** |
| **Measurements:** | **Building volume [m³]:** | **Envelope Area [m²]:** | **Floor Area [m²]:** | **Storeys:** |  |
|  | **0.00** | **380** | **0** | **0** |  |
| **Type of Test:** | **Whole Building** | **Internal Doors:** | **Open** |
| **Ventilation:** | **Natural ventilation** | **External Door:** | **Closed** |
| **Primary Heating:** | **Wet Central Heating System** | **External Windows:** | **Closed** |
| **Mastic Sealing:** | **Sanitary Ware Only** | **Trickle Vents:** | **Closed** |
| **Test Method:** | **B** | **Ventilation:** | **Temporary Sealed** |
| **Deviations From Test Standard:** |  |
|  |  |  |
| **Test Results:** |  |
| **Specified Air Permeability:**  | **0** | **Envelope Air Permeability Result:**  |
| **Volume Air changes at 50 Pa, n50 [/h]** | **0.00** | **8.19[m³/h/m²]** |  |
| **Flow per Floor Area at 50 Pa, [m³/h/m²]** | **0.00** |  |
| **Air flow at 50 Pa, [m³/h]** | **3110.78** |  |
| **Slope, n:** | **0.55343** |  |
| **Correlation, r [%]:** | **0.99924** |  |
| **Air Flow Coefficient, Cenv:** | **356.07** |  |
| **Air Leakage Coefficient, *CL*:** | **356.94** |  |
| **TEST PROCEDURE:** |
| **The result attained during this test was – 8.19. m³/(hr.m²) The result is above the target specified air permeability of 0.(m³/h/m²) at 50 Pa. This report relates to the air tightness testing of the building indicated above as required under the building regulations. The building has been tested in accordance with the following standards. EN ISO 9972:2015, CIBSE Technical Manual TTM2 (with reference to ATTMA TSL1/TLS2/TSL3) and BCTS Ltd ISO17025 quality management system. Refer to terms and condition for MU. The external envelope was calculated by BCTS from drawings issued by the client.** |

|  |  |
| --- | --- |
|   | **INAB ACCREDITED AIRTIGHTNESS TEST REPORT** |
| **Report Number 7833 (29604) INAB ISO 17025 rEGISTRATION nUMBER: 390T**  |

|  |
| --- |
| **TEST DATA:** |

|  |
| --- |
| **Depressurize Data Set:** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Static Pressure:**  | **Δp+** | **Δp-** | **Δp** | **Temperature After:** | **iNSIDE:** | **oUTSIDE:** |
| **BEFORE:** | **.0 Pa** | **-2.8 Pa** | **-2.8 Pa** |  | **17.5°C** | **15.0°C** |

|  |
| --- |
|  |
| **Building Pressure (Pa):** | **-60.00** | **-55.00** | **-50.00** | **-45.00** | **-40.00** | **-35.00** | **-30.00** | **-25.00** |
| **Total Flow *Qr* (m³/h):** | **3366.00** | **3204.00** | **3057.00** | **2842.00** | **2635.00** | **2424.00** | **2216.00** | **2009.00** |
| **Corrected Flow *Qenv*(m³/h):** | **3364.09** | **3202.18** | **3055.27** | **2840.39** | **2633.51** | **2422.63** | **2214.74** | **2007.86** |
| **Error Rate (%):** | **0.0** | **0.1** | **1.0** | **-0.1** | **-0.6** | **-0.9** | **-0.5** | **1.0** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Static Pressure:**  | **Δp+** | **Δp-** | **Δp** | **Temperature After:** | **iNSIDE:** | **oUTSIDE:** |
| **AFTER:** | **.0 Pa** | **-3.2 Pa** | **-3.2 Pa** |  | **17.5°C** | **15.0°C** |
| **Average Barometric Pressure** | **100.14 kPa** |

|  |
| --- |
| **TEST GRATH: EQUIPMENT:** |
|  | **DEVICE:** | **SERIAL NO:** | **CALIBRATION:** |
| **RETROTEC 5000** | **5FN202443** | **Aug 22 2027** |
| **DM32** | **412032** | **Aug 25 2027** |
| **C12 DIGITAL READOUT** | **05190812** | **Jan 6 2026** |
| **GPB3300** | **10005** | **Jan 6 2026** |
|  |  |  |
| **NOTES:** |
| **CHECKED AND SIGNED OF BY: Brian Cunningham Director** |  | **DATE:** | **Aug 9 2024** |
| ***Disclaimer******This report has been prepared based on a defined scope of works with reasonable care, skill and diligence. The contents of this report are intended for recipient only and should not be shared with any third part without the express permission of BCTS Ltd. Should any third part come into possession with this report they rely on it at their own risk*** |