# HOLBROOK LODGE, WINCANTON, SOMERSET, BA9 8BT

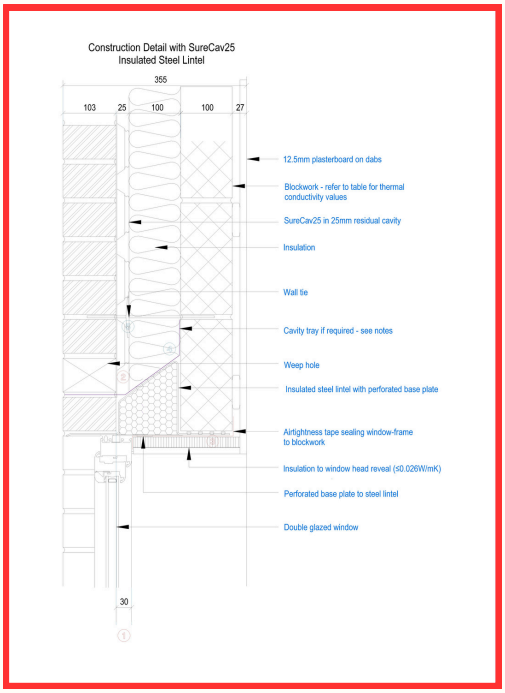
SURECAV

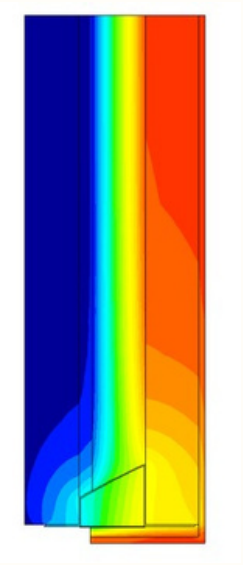
TEL:01963 34660

FOR MORE INFORMATION VISIT WWW.SURECAV.CO.UK

Lintel detail with SureCav 25
Table K1 Ref:

**E1**



## PSI VALUE COMPLIANCE NOTES

① Minimum 30mm overlap of window frame and insulated wall cavity

② Ensure insulation is fitted above the angle of the cavity tray

③ 20mm insulation with λ ≤ 0.026 W/mK to head reveal

## SURECAV CONSTRUCTION NOTES

SureCav is a BBA approved system, approved for use in all exposure zones and should be installed as per the BBA requirements and manufacturers guidance.

## GENERAL CONSTRUCTION SPECIFICATIONS WALL

Plaster on dabs

Air and plaster adhesive

Inner leaf block

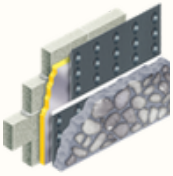
Surecav cavity system

External Leaf

## GENERAL CONSTRUCTION SPECIFICATIONS OTHER

## U VALUE RANGE

SureCav can achieve 0.18W/m2K



BBA CERTIFICATE CS/1002-1 U Value Competency Scheme

elmhurst energy APPROVED Psi VALUE COMPETENCY SCHEME MEMBER

## Calculated ψ (Psi) values for use in SAP Calculations

Internal leaf thermal conductivity (W/mK)

| Insulation thermal conductivity (W/mK) | 0.11 | 0.15 | 0.19 | 0.28 | 0.6 | 1.33 |
|---|---|---|---|---|---|---|
| **0.019** | 0.25 | 0.268 | 0.282 | 0.306 | 0.364 | 0.401 |
| **0.022** | 0.247 | 0.264 | 0.278 | 0.302 | 0.349 | 0.396 |

Temperature Factor (f-value) Range 0.83-0.85


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| Technical competencies | | Signed |
|---|---|---|
| The Psi value analysis indicated above has been undertaken by SW Thermal Analysis, an Elmhurst Energy accredited competent person to BR497 (Second Edition).<br>Note<br>Any change to the materials specified would alter the result, therefore invalidating the psi value contained within this document. | Disclaimer<br>These psi value calculations have been calculated on behalf of SureCav Ltd and performed in accordance with industry standards and best practices. However, compliance with local or national building regulations remains the responsibility of the client, designer, or assessor. The psi values provided are based on the specified materials, construction details, and assumed boundary conditions. While every effort has been made to ensure accuracy, SW Thermal Analysis do not accept liability for any errors or omissions that may arise from the use of this data. | Ref:SCMPF-E1-25-100 |