SURECAV

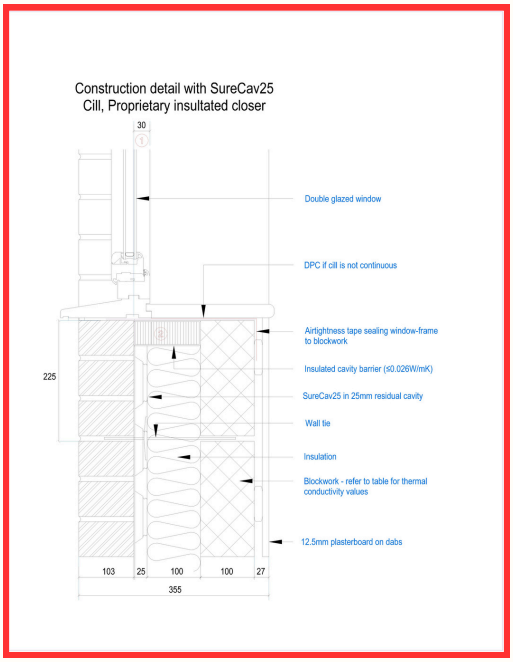
HOLBROOK LODGE, WINCANTON, SOMERSET, BA9 8BT

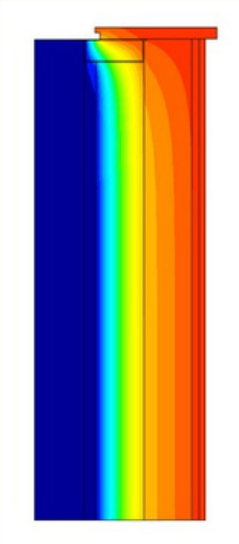
TEL:01963 34660

FOR MORE INFORMATION VISIT WWW.SURECAV.CO.UK

Sill detail with SureCav 25
Table K1 Ref:

E3





PSI VALUE COMPLIANCE NOTES

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

② Insulated cavity barrier with λ ≤ 0.026 W/mK fixed in accordance with manufacturers guidelines. If fixing spikes are used, they should be installed at the required centres. For compression fit cavity barrier, use the the correct size for a compressive fit in the cavity

GENERAL CONSTRUCTION SPECIFICATIONS WALL

Plaster on dabs
Air and plaster adhesive
Inner leaf block
Surecav cavity system
External Leaf

GENERAL CONSTRUCTION SPECIFICATIONS OTHER

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.

U VALUE

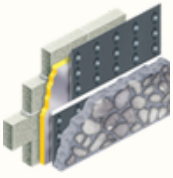
SureCav can achieve 0.18W/m2K for external wall

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	0.025	0.024	0.024	0.024	0.023	0.023
0.022	0.024	0.024	0.023	0.023	0.023	0.022

fRsi value 0.93 (values above 0.75 indicate low risk of condensation and mould)



BBA CERTIFICATE CS/1002-1
U Value Competency Scheme

elmhurst energy APPROVED
Psi VALUE COMPETENCY SCHEME MEMBER

SW Thermal Analysis
swthermalanalysis.co.uk
swthermalanalysis@gmail.com
Tel: 07403688901

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). Note Any change to the materials specified would alter the result, therefore invalidating the psi value contained within this document.	Disclaimer 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-E3-25-100