HOLBROOK LODGE, WINCANTON, SOMERSET, BA9 8BT

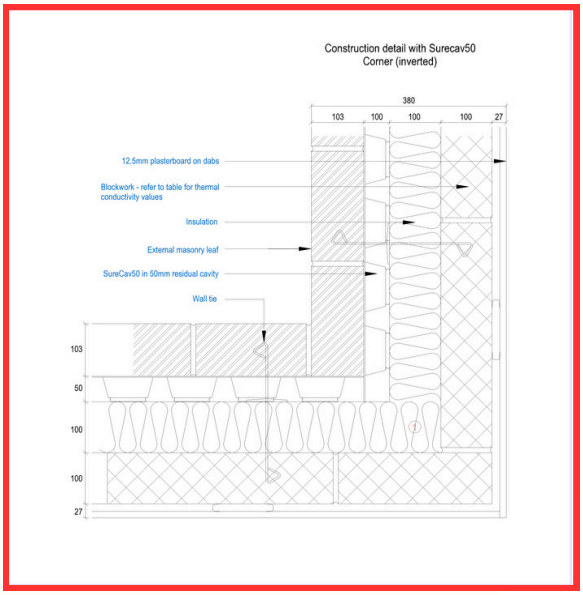
SURECAV

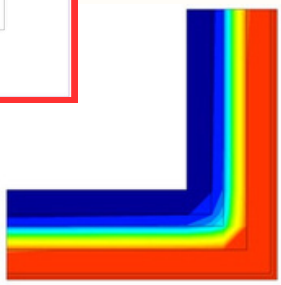
TEL:01963 34660

FOR MORE INFORMATION VISIT WWW.SURECAV.CO.UK

Corner (inverted – internal area greater than external area) detail with SureCav 50 Table K1 Ref:

E17





PSI VALUE COMPLIANCE NOTES

① Ensure coninuity of insulation to corner

GENERAL CONSTRUCTION SPECIFICATIONS WALL

External leaf
Surecav 50 cavity system
Inner leaf block
Air and plaster adhesive
Plaster on dabs

GENERAL CONSTRUCTION SPECIFICATIONS WALL

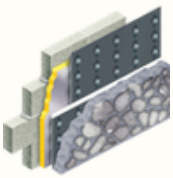
External leaf
Surecav 50 cavity system
Inner leaf block
Air and plaster adhesive
Plaster on dabs

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



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	-0.062	-0.065	-0.066	-0.068	-0.071	-0.072
0.022	-0.069	-0.073	-0.075	-0.078	-0.081	-0.083

fRsi value0.97-0.98(values above 0.75 indicate low risk of condensation and mould)

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

Technical competencies

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.

Signed

Ref:SCMPF-E17-50-100