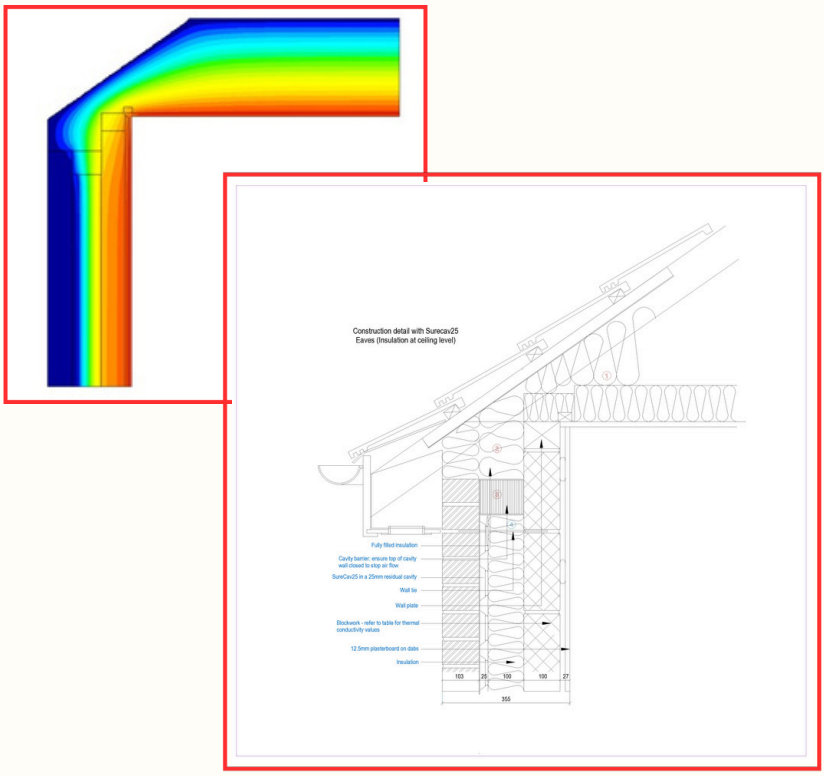
SURECAV

HOLBROOK LODGE, WINCANTON, SOMERSET, BA9 8BT

TEL:01963 34660

FOR MORE INFORMATION VISIT WWW.SURECAV.CO.UK

Eaves (insulation at ceiling level)
detail with SureCav 25
Table K1 Ref:
E10



PSI VALUE COMPLIANCE NOTES

① 400mm insulation quilt (0.044W/mK) minimum roof pitch 40°

② Ensure continuity of insulation between the loft and external wall

③ Horizontal/vertical cavity barriers need to be fixed in accordance with manufacturers guidelines. If fixing spikes are used, they should be installed at the required centres. For compression fit cavity barriers, use 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 ROOF

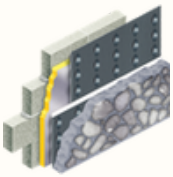
Mineral wool between & over joists
Vapour control layer
Plasterboard

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	0.071	0.072	0.073	0.074	0.077	0.079
0.022	0.066	0.067	0.068	0.069	0.071	0.073

fRsi value 0.92-0.94 (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-E10-25-100