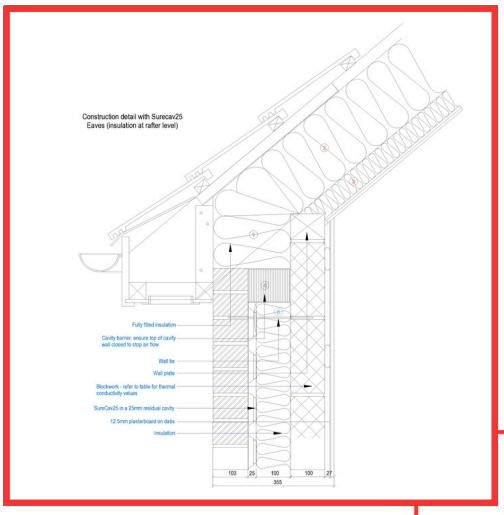
SURECAV

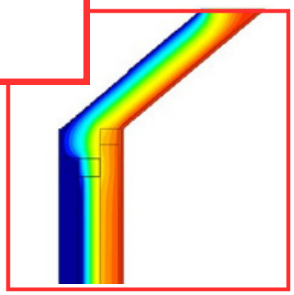
HOLBROOK LODGE, WINCANTON, SOMERSET, BA9 8BT

TEL:01963 34660

FOR MORE INFORMATION VISIT WWW.SURECAV.CO.UK

Eaves (insulation at rafter level)
detail with SureCav 25
Table K1 Ref:
E11





PSI VALUE COMPLIANCE NOTES

① Fully fill the void with insulation and ensure continuity of insulation between the roof and external wall.

② 150mm insulation (0.022 W/mK) between rafters.

③ 60mm (0.022 W/mK) beneath rafters.

④ 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

Insulation

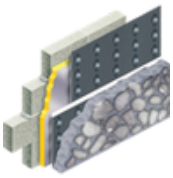
vapour control layer

Plasterboard

SURECAV CONSTRUCTION NOTES

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	0.012	0.012	0.013	0.014	0.015	0.016
0.022	0.010	0.011	0.012	0.013	0.015	0.015

fRsi value 0.97 (values above 0.75 indicate low risk of condensation and mould)

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-E11-25-100