SURECAV

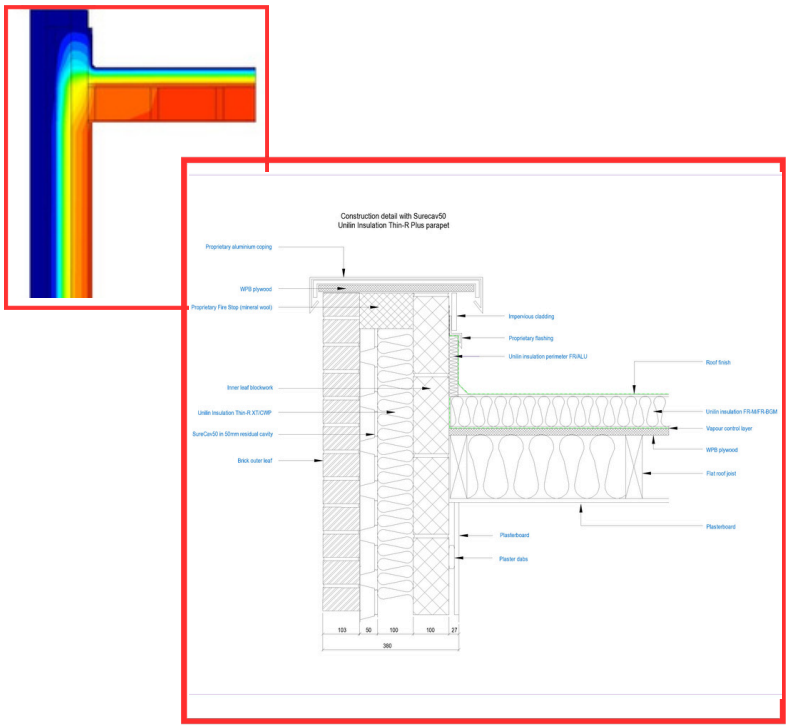
HOLBROOK LODGE, WINCANTON, SOMERSET, BA9 8BT

TEL:01963 34660

FOR MORE INFORMATION VISIT WWW.SURECAV.CO.UK

Flat roof with parapet detail with SureCav 50
Table K1 Ref:

E15



PSI VALUE COMPLIANCE NOTES

1. Insulation upstand having a minimum R-value of 1.10 m²K/W (in heat flow direction perpendicular to wall surface) around parapet
2. 300 mm minimum between top of insulation upstand and bottom of horizontal roof insulation
3. Ensure roof insulation tightly abutsinner face of parapet wall
4. Ensure partial fill insulation is secured firmly against inner leaf of cavity wall

GENERAL CONSTRUCTION SPECIFICATIONS WALL

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

GENERAL CONSTRUCTION SPECIFICATIONS FLAT ROOF

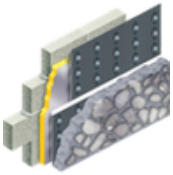
Waterproof membrane
100mm Insulation
vapour control layer
Plywood deck
Air layer between joists
Plasterboard

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



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	0.066	0.076	0.084	0.100	0.146	0.228
0.022	0.070	0.079	0.087	0.104	0.149	0.230

fRsi value 0.90-0.96 (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-E15-50-100