

BUILDING REGULATIONS – 2010 and updated/amended April 2014

Dacatie Building Solutions confirm that their Insulated Cavity Closers (correctly installed) meet the requirements of the current (2014 amended) Building Regulations covering the UK. These attributes are supported by the independent verification contained in the Dacatie product sheets covered by the BBA Certificate 98/3474.

The basic requirements for Insulated Cavity Closers are that:

Hygrothermal behaviour Part L1 (a) (i) — the products meet and exceed the minimum thermal resistance path of $0.45 \text{ m}^2 \cdot \text{K} \cdot \text{W}^{-1}$ as required by the Accredited Construction Details (version 1.0). Default values of (psi) in BRE Information Paper IP 1/06 may be used for jamb and sill junctions in SAP or SBEM calculations.

Weather resistance Part C2 (b & c) — the products are effective as a damp-proof barrier and, when used in a suitable wall construction, will resist the passage of water into the interior of the building in flush and check reveal installations.

Structural stability — in terms of wind loading resistance, the products can be used in all areas of the UK.

Properties in relation to fire : Part B3(4) — the products will not contribute significantly to the growth of a fire, and in the case of Dacatie fire rated Insulated Cavity Closers the products can constitute a cavity barrier.

Durability — the cavity closer profiles, protected within the cavity, will continue to function for the normal expected life of a building.

Specifically the products contribute to maintaining continuity of thermal insulation at jambs and sills in wall reveals, and heat loss rates using default values of (psi) in BRE Information Paper IP 1/06, Table 3, may be used in carbon emission (CO₂) calculations for new buildings. Attention must be given to the correct window set-back (30mm) in order to ensure compliance with these requirements. Detailed guidance on limiting heat loss and air infiltration can be found in:

- England and Wales — Approved Documents to Part L and, for new thermal elements to existing buildings, Accredited Construction Details (version 1.0). See also SAP 2009 Appendix K and the iSBEM User Manual for new-build.
- Scotland — Accredited Construction Details (Scotland)
- Northern Ireland — Accredited Construction Details (version 1.0).

When correctly installed in window or door reveals, Dacatie Insulated Cavity Closers will meet or contribute towards meeting the relevant current Building Regulations applicable in England and Wales, also those in Scotland and those applicable in Northern Ireland.

For individual product information requests and further details please e-mail technical@quantum-ps.co.uk

Quantum Profile Systems Ltd / April 2014