

Energy Company Obligation (ECO4)

ECO4 Guidance Note: Secondary Glazing and Insulated Shutters

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This guidance note outlines four new measure types that have been added to the ECO4 scheme and accompanying [ECO4 Partial Project Score matrix v7](#).

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Secondary Glazing and Insulated Shutters

Secondary Glazing

Secondary Glazing refers to the installation of an additional glazing layer on the interior side of existing windows to improve thermal performance. This measure is designed to retain the original window while introducing a transparent, often retractable, panel(s) that creates an insulating air gap.

Two measure types have been provided to enable the installation of secondary glazing in ECO4. These are 'SG_singleupgrade' and 'SG_doubleupgrade'.

- 'SG_singleupgrade' is the installation of an additional glazing layer on the interior side of existing single glazed windows to improve thermal performance.
- 'SG_doubleupgrade' is the installation of an additional glazing layer on the interior side of existing double-glazed windows to improve thermal performance.

The relevant measure may be notified where secondary glazing is installed that would be recognised as such in an RdSAP assessment.

The proportion of property treated is 100% if secondary glazing is installed to all windows in a home. Where secondary glazing is installed to some but not all windows, the proportion of property treated is the percentage of the home's total window area which is receiving secondary glazing.

Insulated Shutters

Insulated Shutters refers to the installation of an internal, close-fitting shutter system incorporating thermally effective materials designed to reduce conductive and convective heat losses at the window and enhance airtightness when closed.

Two measure types have been provided to enable the installation of insulated shutters. These are 'IS_singleupgrade' or 'IS_doubleupgrade'.

- 'IS_singleupgrade' is the installation of insulating shutters on the interior side of existing single glazed windows to improve thermal performance.
- 'IS_doubleupgrade' is the installation of insulating shutters on the interior side of existing double-glazed windows to improve thermal performance.

The relevant measure may be notified where insulated shutters are installed that would be recognised as such in an RdSAP assessment.

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The proportion of property treated is 100% if insulated shutters are installed to all windows in a home. Where insulated shutters are installed to some but not all windows, the proportion of property treated is the percentage of the home's total window area which is receiving insulated shutters.

Combination of Secondary Glazing and Insulated Shutters

Secondary glazing and insulated shutter measure types can also be used in combination where a system consisting of both components e.g. a system with a transparent blind and insulated shutter, is installed and would be assessed as comprising both secondary glazing and insulated shutters by SAP/RdSAP assessments, as outlined in the SAP Technical Note on Flutter Shutter units published by BRE.¹

Therefore, to generate the accurate cost savings of such a system, a combination of one 'Secondary glazing' score and one 'Insulated shutters' score would need to be selected. For example, an upgrade of single glazing would include the following two partial project scores:

- 'SG_singleupgrade' i.e. single glazing with secondary glazing upgrade
- 'IS_singleupgrade' i.e. single glazing with insulated shutters upgrade

¹ https://www.ncm-pcdb.org.uk/sap/filelibrary/pdf/Technical_notes/technical_note_FS.pdf