

CE Marking – Declaration of Performance Penrhyn County Grade Roofing Slate



Welsh Slate roofing products conform to the requirements of the CE mark.
The following table provides the necessary information required to demonstrate conformity of Penrhyn County Grade Roofing Slate

Welsh Slate, Penrhyn Quarry, Bethesda, Bangor, Gwynedd, LL57 4YG United Kingdom

Ref: BPWS 113

EN 12326-1:2014

Penrhyn County

Intended to be used as discontinuous roofing and external cladding

Dimensional variation

Nominal thickness	7 mm
Individual thickness	7 mm (< +/- 35%)
Deviation of length and width	Complies
Deviation of edge straightness	Complies
Deviation of rectangularity	Complies

Mechanical resistance (Characteristic modulus of rupture)

Transverse	85.8 N/mm ²
Longitudinal	42.2 N/mm ²

Water permeability - water absorption **A1** (≤ 0.6%)

Apparent calcium carbonate content ≤ 5%

Durability

Water absorption	A1 (≤0.6%)
Freeze-thaw cycling	Required
Thermal cycling	T1
Sulphur dioxide exposure	S1
Non-carbonate carbon content	Complies: ≤ 2%

Release of dangerous substances: None in conditions of use as roofing or external cladding

External fire performance: Deemed to satisfy