



## Declaration of Performance Ref – BPWS 202 Penrhyn Modular Tiles



Welsh Slate modular tiles products conform to the requirements of the CE mark.

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|--|--|----------------|
| 1. Unique Identification of the product  | This declaration applies to all natural slate finished products from the variants below, and for all batches.  |                |
|  | Penrhyn Riven  | Penrhyn Flamed |
|  | Penrhyn Tumbled  | Penrhyn Honed  |
|  | Penrhyn Antique  |                |
| 2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11 (4):           | <b>Products</b> – Natural Slate Products, Penrhyn Quarry Slate Tiles with a thickness of 12mm or less  |                |
|  | <b>Denomination</b> – PENRHYN, Slate, Blue – Penrhyn Quarry, Gwynedd, Wales  |                |
| 3. Intended use or uses of the construction product in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: | Natural Welsh Slate tiles made for internal (including enclosed public transport premises) and / or external use as floors and stairs.   |                |
| 4. Name, registered trade name or registered trademark and contact address of the manufacturer as required pursuant to Article 11 (5):                     | <b>Welsh Slate, Penrhyn Quarry, Bethesda, Bangor, Gwynedd, LL57 4YG United Kingdom</b><br>e-mail enquiries@welshslate.com<br>www.welshslate.com Registration No: 156531                            |                |
| 5. Where applicable, name and contact address of the authorised representative whose tasks specified in Article 12 (2):                                    | Not applicable   |                |
| 6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:                         | Attestation Level 3 & 4 - All products Tasks: Initial Type Test, Factory Production Control, periodic testing to sampling plan, FPC subject to continuous surveillance, assessment and evaluation. |                |
| 7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:   | 0513   |                |
| 8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:                  | Not Relevant   |                |

| <b>9. Declared performance</b>   | <br>0513   |                   | Year of first affixing CE Mark – 2017 |
|--|--|-------------------|---------------------------------------|
| Essential Characteristics  | Performance  | 12057:2015 Clause | Test Standard                         |
| Resistance to Fire   | Class A1   | 4.2.7             | N/A                                   |
| Breaking Strength as Flexural Strength<br>- lower expected value<br>- mean value<br>- standard deviation   | 65.5 MPa<br>76.7 MPa<br>5.7  | 4.2.4             | EN 12372                              |
| Slip Resistance<br>- Riven (SRV “Wet” “Dry”)<br>- Tumbled (SRV “Wet” “Dry”)<br>- Antique (SRV “Wet” “Dry”)<br>- Flamed (SRV “Wet” “Dry”)<br>- Honed (SRV “Wet” “Dry”)  | 52,79<br>56,80<br>55,70<br>64,79<br>61,76  | 4.2.13            | CEN/TS<br>16165:2012<br>Annexe C      |
| Tactility  | None   | 4.2.15            | CEN/TS 15029                          |
| Direct Airborne Sound Insulation<br>- Mean value   | NPD  | 4.2.16            | EN 1936                               |
| Thermal Conductivity   | 2.2 W/(mK)   | 4.2.17            | EN 1745                               |
| Release of Radioactivity   | None   | 4.2.18.1          | N/A                                   |
| Release of Dangerous Substances  | None   | 4.2.18.2          | N/A                                   |
| Durability of Flexural Strength against Freeze Thaw<br>- Mean value before Freeze Thaw<br>- Mean value after Freeze Thaw   | 76.7 MPa<br>56.5 MPa   | 4.2.10.1          | EN 12371                              |
| <b>10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.</b> | <p>I hereby declare that the products named above are in conformity with the essential requirements of the Construction Products Regulations, and Annex ZA of EN 12057:2015</p> <p>Signed for and on behalf of the manufacturer by:</p>  <p><b>Sean Edwards - Performance Improvement Manager</b><br/>Date: 4th January 2021</p> |                   |                                       |