



UKCA Marking and Declaration of Performance

Tudor Griffiths Group, Wood Lane, Ellesmere, Shropshire, SY12 OHY

Certificate Number 12620 – CPD – TG008

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Cefn Graianog Quarry, Llanllyfni, Penygroes, Gwynedd, LL54 6SY

4/20mm GC 90/15 Graded aggregate

BS EN12620

Aggregate for Concrete

<b>Particle shape</b>	Declared value	NPD
<b>Particle size</b>	Designation	0/4
<b>Particle density</b>	Declared value (Apparent)	2.63 (mg/m <sup>3</sup> )
<b>Cleanliness</b>		
Fines quality	Pass/fail threshold value and category	NPD
Shell content	Category	NPD
<b>Resistance to polishing</b>	Category	NPD
<b>Resistance to fragmentation/crushing</b>	Category	LA <sub>20</sub>
<b>Resistance to abrasion</b>	Category	AAV <sub>10</sub>
<b>Resistance to wear</b>	Category	NPD
<b>Composition/content</b>		
Chlorides	Declared value	<0.001 (% C)
Acid soluble sulfates	Category	AS <sub>0.1</sub>
Total Sulfur	Category	S <sub>0.1</sub>
Carbonate Content	Declared value	3.56 %
<b>Drying Shrinkage</b>	Declared value	0.046 %
<b>Water absorption</b>	Declared value	1.8 (% WA)
<b>Emission of radioactivity</b>	Declared values as requested	NPD
<b>Release of heavy metals</b> <b>Release of polyaromatic carbons</b>	Threshold values valid in the place of use	NPD
<b>Release of other dangerous substances</b>	e.g. substance X: 0.2µm <sup>3</sup>	NPD
<b>Durability against freeze-thaw</b>	Category	MS <sub>18</sub>
<b>Durability against alkali-silica reactivity</b>	Declared value as requested	NPD

**Declaration of Performance**

Tudor Griffiths Group confirms that the aggregate referred to in this UKCA certificate complies with the requirement of BS EN 12620 including Annex ZA attestation of conformity system 4.

Authorised by:

*Huw Thomas*

Date of Issue of Certificate:

**01/01/2021**

Date Valid to:

**31/12/2021**