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

Particle shape	Declared value	NPD
Particle size	Designation	4/20
Particle density	Declared value (Apparent)	2.69 (mg/m^3)
Cleanliness		
Fines quality	Pass/fail threshold value and category	NPD
Shell content	Category	NPD
Resistance to polishing	Category	NPD
Resistance to fragmentation/crushing	Category	LA_{20}
Resistance to abrasion	Category	AAV_{10}
Resistance to wear	Category	NPD
Composition/content		
Chlorides	Declared value	<0.001 (% C)
Acid soluble sulfates	Category	AS $_{0.1}$
Total Sulfur	Category	S $_{0.1}$
Carbonate Content	Declared value	2.52 %
Drying Shrinkage	Declared value	0.046 %
Water absorption	Declared value	1.2 (% WA)
Emission of radioactivity	Declared values as requested	NPD
Release of heavy metals **Release of polyaromatic carbons**	Threshold values valid in the place of use	NPD
Release of other dangerous substances	e.g. substance X: 0.2µm^3	NPD
Durability against freeze-thaw	Category	MS_{18}
Durability against alkali-silica reactivity	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:	**Date of Issue of Certificate:**	**Date Valid to:**
Huw Thomas	**01/07/2025**	**30/06/2026**