

BS EN 12620: 2013 AGGREGATES FOR CONCRETE			DECLARED GRADING		DECLARED GRADING	
			0/10 G _A 90 ALL-IN CONCRETE GRAVEL AGGREGATE		02/6.3 G _C 80/20 COARSE SINGLE SIZED CONCRETE GRAVEL	
PROPERTIES	REPORTING METHOD	VALUE	Sieve size	% Passing	Sieve size	% Passing
Particle shape (F1)	Declared value	Fl ₃₅	20	100	14	100
			14	98 - 100	10	98 - 100
Particle size d/D	Designation	As per declared grading	10	90 - 99	6.3	80 - 99
			4.0	50 - 90	2.0	00 - 20
Particle density (Mg/m ³)	Declared value	SSD 2.65 OD 2.61 AD 2.73	1.0	20 - 60	1.0	00 - 5
			0.063	00 - 03	0.063	00 - 1.5
			0/20 G _A 90 ALL-IN CONCRETE GRAVEL AGGREGATE		04/10 G _C 85/20 COARSE SINGLE SIZED CONCRETE GRAVEL	
Cleanliness			Sieve size	% Passing	Sieve size	% Passing
Fines quality	Pass/fail threshold value and category	f _{1.5}	40	100	20	100
			31.5	98 - 100	14	98 - 100
Shell content (SC)	Category	SC ₁₀	20	90 - 99	10	85 - 99
			10	50 - 90	4.0	00 - 20
Resistance to polishing	Category	NPD	2.0	20 - 60	2.0	00 - 5
			0.063	00 - 03	0.063	00 - 1.5
Resistance to fragmentation/crushing	Category	NPD				
Resistance to abrasion	Category	NPD				
Resistance to wear	Category	NPD				
					10/20 G _C 85/20 COARSE SINGLE SIZED CONCRETE GRAVEL	
Composition/content			Sieve size	% Passing	Sieve size	% Passing
Chlorides (% C)	Declared value	<0.01% C	40	100	80	100
Acid soluble sulphates (AS)	Category	<0.01% AS	31.5	98 - 100	63	98 - 100
Total Sulfur	Category	NPD	20	85 - 99	40	85 - 99
Water soluble sulphate content of recycled aggregate	Category	NPD	10	00 - 05	20	00 - 20
Carbonate content	Declared value	NPD	0.063	00 - 1.5	10	00 - 05
					0.063	00 - 1.5
					4/20 G _C 90/15 GRADED CONCRETE GRAVEL AGGREGATE	
Water absorption (WA)%	Declared value	1.8% WA	Sieve size	% Passing	Sieve size	% Passing
Emission of radioactivity	Declared values as requested		40	100	40	100
			as requested		31.5	98 - 100
Release of heavy metals	Threshold values valid in the place of use	NPD	20	90 - 99	10	25 - 70
Release of polyaromatic carbons		NPD	4.0	00 - 15	2.0	00 - 05
Release of other dangerous substances	e.g. Substance X: 0.2 µm ³	NPD				
		NPD				
Durability against alkali-silica reactivity	Declared value as requested	NPD	as requested			

Declaration of Conformity: Cardigan Sand and Gravel Co Ltd confirms that the aggregates described in these certificates comply with the requirements of EN 12620

Authorised by MJ Mc Gee Managing Director
Valid from 1st May 2012 to Currently Valid
Date of Certificate issue 24th May 2013