



CARDIGAN SAND AND GRAVEL CO LTD
CNWC Y SAESON SAND PIT PENPARC
CARDIGAN CEREDIGION WALES SA43 1RB

12

BS EN 12620: 2013 AGGREGATES FOR CONCRETE			DECLARED GRADING	
PROPERTIES	REPORTING METHOD	VALUE		
Particle shape (F1)	Declared value		NPD	0/4 FINE AGGREGATE MP
Particle shape	Informative	Subrounded		DESCRIBED AS 0/4 CONCRETE
	Informative	Medium sphericity		SAND MP FROM PLANT F2
		G _F 85		Sieve size % Passing
Particle size d/D	Designation			4 94 ± 5
		As per declared grading 0/4 MP or 0/4 CP		1 50 ± 20
Particle density (Mg/m³)	Declared value	Apparent 2.70		.500 50 ± 20
		Oven Dry 2.70		.250 20 ± 20
		Saturated Surface Dry 2.70		.063 0! f ₃
Cleanliness				0/4 FINE AGGREGATE CP
Shell content (SC)			Category SC10	DESCRIBED AS 0/4 CONCRETE
Fines quality	Declared value		As per declared grading MP or CP	SAND CP FROM PLANT F2
Fines quality	Designation		f ₃	Sieve size % Passing
Fines quality	Designation		3%	4 94 ± 5
Fines quality	Threshold value (%)		NPD	1 50 ± 20
	Category (MB,SE)			.500 25 ± 20
				.250 20 ± 20
				.063 0! f ₃
Composition/content				
Chlorides (% C)			<0.01%	BS EN 1774-1 1998 Cl.7
Acid soluble sulphates (AS)	Declared value		AS _{0.2}	BS EN 1774-1 1998 Cl.12
Total sulphur (%S)	Category		NPD	BS EN 1744-1 1998 Cl.11
Carbonate content (%CO₂)	Pass/fail threshold			
	Declared value		<1.0	
Constituents which alter the rate of setting and the hardening of mortar	Pass/fail threshold			BSEN 17744-1 1998 15.3
			NPD	
Volume stability (%WS)	Pass/fail threshold			
			NPD	
Water absorption (WA)%	Declared value		WA ₂₄ 0.9%	BS EN 1096:2000
Emission of radioactivity	Declared value			as requested
Release of heavy metals	Threshold values valid in the place of use			
			NPD	
Release of polyaromatic carbons				
			NPD	
Release of other dangerous substances				
			NPD	
Durability against freeze-thaw (F or MS)	Declared value			
			NPD	
Durability against alkali-silica reactivity	Declared value			as requested
			NPD	

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