



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	
			0/2 FINE AGGREGATE FP	
			DESCRIBED AS 0/2 CONCRETE	
			SAND FP FROM PLANT F2	
PROPERTIES	REPORTING METHOD	VALUE		
Particle shape (F1)	Declared value	NPD		
Particle shape	Informative	Subrounded		
	Informative	Medium sphericity		
Particle size d/D	Designation	G _F 85		
		0/2 FP		
Particle density (Mg/m ³)	Declared value	Apparent 2.70		
		Oven Dry 2.70		
		Saturated Surface Dry 2.70		
Cleanliness				
Shell content (SC)		Category SC ₁₀	Sieve size	% Passing
Fines quality	Declared value	Coarseness/fineness FP	4	100
Fines quality	Designation	f ₃	2.8	97.5 ± 2.5
Fines quality	Designation	3%	2	94 ± 5
Fines quality	Threshold value (%)	NPD	1	79 ± 20
Composition/content	Category (MB,SE)		.500	75 ± 20
			.250	45 ± 25
			.125	05 ± 05
			.063	f ₃ <03
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 (%CO ₂)	Declared value	<1.0		
			BSEN 17744-1 1998 15.3	
Constituents which alter the rate of setting and the hardening of mortar	Pass/fail threshold	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	NPD	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	e.g. Substance X: 0.2 µm ₃	NPD		
Durability against freeze-thaw (F or MS)	Declared value	NPD		
Durability against alkali-silica reactivity	Declared value	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