



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

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BS EN 13139: 2013 AGGREGATES FOR MORTARS			DECLARED GRADING
PROPERTIES	REPORTING METHOD	VALUE	
Particle shape (F1)	Declared value	NPD	0/2 FINE AGGREGATE FP DESCRIBED AS :
Particle shape	Informative	Subrounded	0/2 WASHED FINE MASONRY BUILDING SAND
	Informative	Medium sphericity	FP FOR XS MULTIPURPOSE MORTARS FROM
Particle size d/D	Designation	0/2 FP	PLANT F2 or
Particle density (Mg/m³)	Declared value	Apparent 2.70	0/2 PREMIUM WASHED FINE
			MASONRY BUILDING SAND FOR XG
			FACEBRICK MORTAR FROM PLANT F2 or
			0/2 PREMIUM WASHED FINE MASONRY
			BUILDING SAND FP FOR XS MULTIPURPOSE
			MORTARS FROM PLANT F1 or
			0/2 WASHED FINE PLASTERING SAND FB
			FOR XB GENERAL FINISH PLASTERS &
			RENDERS FROM PLANT F1 or
			0/2 LIME MORTAR SAND FOR SMOOTH FINE
			FINISHING COATS OVER 10MM THICK FROM
			PLANT F1 or
			0/2 ANHYDRITE SCREED SAND FOR SELF
			LEVELLING MORTAR SCREEDS FROM PLANT F1
Cleanliness			
Shell content (SC)	Declared value	<1.0%	
Fines quality (% MB,SE)	Pass/fail threshold	NPD	Sieve size
Fines content	Designation	Category 1	% Passing
Fines	Designation	Coarseness/fineness FP	4 100
			2.8 99 ± 1
			2 94 ± 5
			1 79 ± 20
			.500 79 ± 20
			.250 45 ± 25
			.125 05 ± 05
			.063 Cat 1 < 03
Composition/content			
Chlorides (% C)	Declared value	<0.01%	
Acid soluble sulphates (AS)	Category	AS 0.2	BS EN 1774-1 1998 Cl.7
Total sulphur	Pass/fail threshold	NPD	BS EN 1774-1 1998 Cl.12
			BS EN 1744-1 1998 Cl.11
			BSEN 17744-1 1998 15.3
Constituents which alter the rate of setting and the hardening of mortar	Pass/fail threshold	NPD	
Volume stability (%W/S)	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
			DECLARED GRADING
Release of heavy metals	Threshold values valid in the place of use	NPD	0/2 FINE AGGREGATE FP DESCRIBED AS :
Release of polyaromatic carbons		NPD	0/2 WASHED FINE MASONRY SAND FP
			(FACEBRICK XG) PRODUCED FROM PLANT F1
			Sieve size
			% Passing
			4 100
			2.8 99 ± 1
			2 94 ± 5
			1 79 ± 20
			.500 79 ± 20
			.250 45 ± 25
			.125 05 ± 05
			.063 Cat 1 < 03
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 13139

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