

BS EN 13139: 2013 AGGREGATES FOR MORTARS			DECLARED GRADING	
PROPERTIES	REPORTING METHOD	VALUE		
Particle shape (F1)	Declared value	NPD	0/4 FINE AGGREGATE MP DESCRIBED AS :	
Particle shape	Informative	Subrounded	0/4 WASHED MEDIUM MASONRY PLASTERING SAND MP FOR XA RENDERING MORTARS FROM PLANT F2 or	
	Informative	Medium sphericity	0/4 LIME MORTAR SAND FOR GENERAL BUILDING WORKS FROM PLANT F2 or	
Particle size d/D	Designation	0/2 MP	0/4 PREMIUM WASHED LIME MORTAR SAND MP FOR DUBBING OUT, STIPPLE COATS AND BASE COATS FROM PLANT F2 or	
Particle density (Mg/m³)	Declared value	Apparent 2.70	0/4 LEVELLING SCREED SAND FOR MORTAR SCREEDS FROM PLANT F2	
Cleanliness			Sieve size	% Passing
Shell content (SC)	Declared value	<1.0%	4	94 ± 5
Fines quality (% MB,SE)	Pass/fail threshold	NPD	1	50 ± 20
Fines content	Designation	Category 1	.500	50 ± 20
Fines	Designation	Coarseness/fineness MP	.250	25 ± 20
			.063	Cat 1 < 03
Composition/content				
Chlorides (% C)	Declared value	<0.01%		BS EN 1774-1 1998 Cl.7
Acid soluble sulphates (AS)	Category	AS _{0.2}		BS EN 1774-1 1998 Cl.12
Total sulphur	Pass/fail threshold	NPD		BS EN 1744-1 1998 Cl.11
Constituents which alter the rate of setting and the hardening of mortar	Pass/fail threshold	NPD		BSEN 17744-1 1998 15.3
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 13139

Authorised by MJ Mc Gee Managing Director

Valid from 1st May 2012 to Currently Valid

Date of Certificate issue 24th May 2013