

<b>BS EN 13139: 2013 AGGREGATES FOR MORTARS</b>			<b>DECLARED GRADING</b>
<b>PROPERTIES</b>	<b>REPORTING METHOD</b>	<b>VALUE</b>	
<b>Particle shape (F1)</b>	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
	Informative	Medium sphericity	FROM PLANT F2 or
<b>Particle size d/D</b>	Designation	0/2 MP	0/4 LIME MORTAR SAND FOR GENERAL BUILDING WORKS FROM PLANT F2 or
<b>Particle density (Mg/m³)</b>	Declared value	Apparent 2.70	0/4 PREMIUM WASHED LIME MORTAR SAND MP FOR DUBBING OUT, STIPPLE COATS AND BASE COATS FROM PLANT F2 or
			0/4 LEVELLING SCREED SAND FOR MORTAR SCREEDS FROM PLANT F2
<b>Cleanliness</b>			<b>Sieve size</b> <b>% Passing</b>
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
<b>Composition/content</b>			
Chlorides (% C)	Declared value	<0.01%	<b>BS EN 1774-1 1998 Cl.7</b>
Acid soluble sulphates (AS)	Category	AS 0.2	<b>BS EN 1774-1 1998 Cl.12</b>
Total sulphur	Pass/fail threshold	NPD	<b>BS EN 1744-1 1998 Cl.11</b>
Constituents which alter the rate of setting and the hardening of mortar	Pass/fail threshold	NPD	<b>BSEN 17744-1 1998 15.3</b>
<b>Volume stability (%WS)</b>	Pass/fail threshold	NPD	
<b>Water absorption (WA)%</b>	Declared value	WA <sub>24</sub> 0.9%	<b>BS EN 1096:2000</b>
<b>Emission of radioactivity</b>	Declared value	NPD	<b>as requested</b>
<b>Release of heavy metals</b>	Threshold values valid in the place of use	NPD	
<b>Release of polyaromatic carbons</b>		NPD	
<b>Release of other dangerous substances</b>	e.g.Substance X: 0.2 µm <sup>3</sup>	NPD	
<b>Durability against freeze-thaw (F or MS)</b>	Declared value	NPD	
<b>Durability against alkali-silica reactivity</b>	Declared value	NPD	<b>as requested</b>

**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 1<sup>st</sup> May 2012 to Currently Valid**  
**Date of Certificate issue 24<sup>th</sup> May 2013**