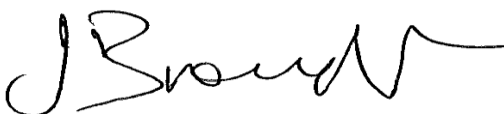


## Material Data Sheet

Production place: <b>Yeoman Glensanda</b>  <b>Glensanda Quarry, Rhugh Garbh Depot,          Barcaldine, Oban, Argyll PA37 1SE</b>	Type: <b>Crushed Granite</b>  Size: <b>Armour Stone BS EN 13383 -1 2002</b>
<b>Values of tests carried out 2018</b>	Average Grading:  <b>As required</b>

Characteristic	Test Method	Value
Particle density (average of 10)* * density <2.30 36 piece test required	BS EN 13383-2	2.62-2.63 Mg/m <sup>3</sup>
Water absorption (average of 10)* * >0.5% additional tests required of Mag sulfate soundness and Freeze Thaw	BS EN 13383-2	0.3% W <sub>a</sub> 0,5
Compressive Strength (average of 10)	EN 1926	158 Mpa C <sub>s</sub> Declared
Micro Deval	BS EN 1097-1	6 M <sub>DE</sub> Declared
Mag sulfate soundness	BS EN 1367-2	1% M <sub>s</sub> Declared
Drop Test Breakage Index	CIRA SP83 A2.11	1 %
Crushed or Broken Surfaces	Internal assessment	R <sub>o</sub> Declared
Signs of Sonnenbrand * * Test applicable to basalt	Internal assessment Quarry Geology	
Length of Thickness ratio	Internal assessment	L <sub>T</sub> Declared
Aggregate Impact Value	BS 812:Part 112:1990	19 %



J M Broughton, Technical Manager  
 Aggregate Industries Overseas.

Armour 27.03.18 JB V3