

# PRODUCT DATA SHEET



Client :	<b>Portland Stone Firms Limited</b>
Address:	99 Easton Street, , Portland, Dorset, DT5 1BP.
Client Reference:	<b>Perryfield Shelly</b>
Data Prepared By :	<b>ACS Testing Limited</b>
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ACS Test Ref.	Test Description (Test Method)	Result	Units	Date	
M71	Determination of resistance to salt crystallization (BS EN 12370:1999)	Mean Mass Change	-11.9	%	Jan 2012
M72	Determination of frost resistance (BS EN 12371:2010)	Change in Performance	-13.7	%	Feb 2012
M73	Determination of flexural strength under concentrated load (BS EN 12372:2006)	Flexural Strength $R_{ff}$	ND*	MPa	N/A
M73i	Frost Resistance - Determination of flexural strength under concentrated load (BS EN 12372:2006)	Flexural Strength $R_{ff}$ (after Frost Cycles)	ND*	MPa	N/A
M74	Determination of petrographic examination (BS EN 12407:2007)	Limestone Biomicrite	Description	Jan 2012	
M75	Determination of flexural strength under constant moment (BS EN 13161:2008)	Flexural Strength $R_{tc}$	5.1	MPa	Dec 2011
M75i	Frost Resistance - Determination of flexural strength under constant moment (BS EN 13161:2008)	Flexural Strength $R_{tc}$ (after Frost Cycles)	4.4	MPa	Feb 2012
M76	Determination of breaking load at dowel hole (BS EN 13364:2002)	Mean Breaking Load	ND*	N	N/A
M77	Determination of water absorption at atmospheric pressure (BS EN 13755:2008)	Mean Water Absorption	6.5	%	Dec 2011
M78	Determination of abrasion resistance (BS EN 14157:2004)	Mean Groove Length	20.0	mm	Dec 2011
M79dry	Determination of slip resistance by pendulum tester (BS EN 14231:2003)	SRV "DRY" =	79	nr.	Dec 2011
M79wet	Determination of slip resistance by pendulum tester (BS EN 14231:2003)	SRV "WET" =	71	nr	Dec 2011
M80	Determination of water absorption coefficient by capillarity(BS EN 1925:1999)	Absorption Coefficient. (Perpendicular to plane of Anisotropy)	15.1	$g/m^2.s^{0.5}$	Feb 2012
M80	Determination of water absorption coefficient by capillarity(BS EN 1925:1999)	Absorption Coefficient. (Parallel with plane of Anisotropy)	15.6	$g/m^2.s^{0.5}$	Feb 2012
M81	Determination of uniaxial compressive strength (BS EN 1926:2006)	Compressive Strength R	33	MPa	Dec 2011
M82	Determination of real & apparent density, and total & open porosity (BS EN 1936:2006)	Real Density	2710	$kg/m^3$	Jan 2012
M82	Determination of real & apparent density, and total & open porosity (BS EN 1936:2006)	Apparent Density	2120	$kg/m^3$	Jan 2012
M82	Determination of real & apparent density, and total & open porosity (BS EN 1936:2006)	Open Porosity	21.5	%	Jan 2012
M82	Determination of real & apparent density, and total & open porosity (BS EN 1936:2006)	Total Porosity	21.8	%	Jan 2012

Notes: ND* = Not Determined/Requested	Approved :	Date : 14/04/2012
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Approved Signatories :  
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