



Report carried out on Marconite Compound for
the specific use where Low Resistivity and High
Conductivity is required

for **James Durrans Ltd**

Attention David Wilson

Prepared By:

Neal Rodney

Email: n.rodney@midland-laboratories.co.uk

Mobile: 07775440390

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Central Midland Laboratories

30 James Road, Tyseley, Birmingham B11 2BA Tel: 0121 366 8704 Mobile: 07775 440390

Registered Address in England & Wales: Penrose House, 67 Hightown Road, Banbury, OXON OX16 9BE Reg No. 08082973

www.midland-laboratories.co.uk

enquiries@midland-laboratories.co.uk

Test Report

Compressive Strength and Density of a Hardened Concrete Specimen
BSEN12390-3 : 2009, BSEN129390-2 : 2009 & BSEN12390-7 : 2009

Client:	James Durrans and Sons	Job No.:	13/104
Client Address:	Anchor Road, Bilston, West Midlands, WV14 9NZ	Date Rec`d:	17.07.13
		Report No.:	R92/2
Site:	Trial Mixes	Report Date:	17.09.13
Location:	Mix 1 (3:1)	Mix Details:	3:1 Marconite/Hope Cement

	Sample No.			
	S96C	S96D		
Request Form No.	-	-		
Client Ref	Trial Mix 1	Trial Mix 2	Trial Mix 1	Trial Mix 2
Date Cast	17.07.13	17.07.13	17.07.13	17.07.13
Date of Test	24.07.13	24.07.13	14.08.13	14.08.13
Age of Specimen (days)	7	7	28	28
Dimension of Specimen (mm)	100x100x100	100x100x100	100x100x100	100x100x100
Density (Kg/m³)	1680	1700	1700	1700
Maximum Load (KN)	219.6	231.0	275.1	295.0
Compressive Strength (N/mm²)	22.0	23.1	27.5	29.5
Type of Failure	Normal	Normal	Normal	Normal
Specified Strength at 28 Days	-	-		

The following applies unless otherwise stated under comments.

- 1) Specimens are tested in a saturated surface dry condition
- 2) Laboratory Curing Range is 18.0 - 22.0 °C
- 3) Specimen appearance as received is satisfactory
- 4) Certificate of Sampling not received
- 5) Certificate of Sampling, Making and Curing not received
- 6) Density is determined using the water displacement method

Comments: Lignosulphate plasticiser used in Trial Mix 2.

Specimen testing was carried out in accordance with BSEN12390-3 : 2009, BSEN12390-2 : 2009 & BSEN12390-7 : 2009

Signed: _____
J. Slimm
For and on behalf of CML Ltd

- N. Rodney (Director)
- N. Collier (Director)
- S. Pickard (Quality Manager)
- J. Slimm (Laboratory Manager)