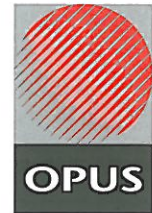


**CONCRETE COMPRESSION  
TEST REPORT**



Project: **Production Testing**  
 Location: **Foxton Plant**  
 Client: **Mastermix & Packaging Ltd**  
 Contractor: **Mastermix & Packaging Ltd**  
 Sampled by : **Client**  
 Date sampled : **Unknown**  
 Sampling method : **Unknown**  
 Sample condition **As received, dry, sealed**  
 Source : **Foxton Plant**  
 Grade : **High Strength Repair**  
 Actual slump (mm): **-**  
 Specified slump (mm): **-**  
 Date received: **19/07/11**

**Project No: 5WT033.M5**  
**Lab Ref No: Report 4110.2**  
**Client Ref No: HSR**

Test Results				
Lab reference no	4110	4110	4110	4110
Client reference no	E	F	G	H
Date made	25/07/11	25/07/11	25/07/11	25/07/11
Date tested	01/08/11	01/08/11	22/08/11	22/08/11
Age of material (days)	7	7	28	28
Average diameter (mm)	99.9	102.7	101.5	103.8
Length (mm)	200.0	202.5	203.5	203.0
Mass of cylinder in air (g)	3293.4	3541.5	3492	3616.9
Design strength (MPa)	-	-	50	50
Density (kg/m <sup>3</sup> )	2090	2100	2120	2120
Height diameter ratio	2.00	1.97	2.01	1.96
Compressive strength (MPa)	43.5	43.5	57.0	57.5
Number of ends capped	One	One	One	One
Defects prior to capping	Nil	Nil	Nil	Nil

Comments
Water added:- 200ml per kg.  Cylinders were moulded to NZS 3112: Part 2: Section 3 3.4.1b, Compaction by Vibrating table 3.4.2a, Hardened vertically

Test Methods	Notes
Compression, NZS 3112 : 1986, Pt 2 Clause 6 Density, NZS 3112 : 1986, Pt 3 Clause 5 Capping NZS 3112 : 1986, Pt 2 Clause 4 (amendment No 2 2000)	See report LR4110.1 for 3 and 24 hour results.

Date reported : 22/08/11

**This report may only be reproduced in full**

**IANZ Approved Signatory**

R Jones

Designation : Laboratory Manager

Date : 13/09/11



All tests reported herein have been performed in accordance with the laboratory's scope of accreditation