

**CONCRETE COMPRESSION  
TEST REPORT**



Project : **Material Evaluation**  
 Location : **Foxton Plant**  
 Client : **Mastermix and Packaging Ltd.**  
 Contractor : **Mastermix and Packaging Ltd.**  
 Sampled by : **Client**  
 Date sampled : **23/07/07**  
 Sampling method : **Unknown**  
 Sample description : **Super Mortar**  
 Sample condition : **30kg Bag**  
 Source : **Client**  
 Grade : -  
 Actual slump (mm) : -  
 Specified slump (mm) : -

<b>Project No :</b>	<b>5WT033.M5</b>
<b>Lab Ref No :</b>	<b>2726 (Report 2726.1A)</b>
<b>Client Ref No :</b>	<b>Super Mortar</b>

Test Results		
Lab reference no Client reference no	1	2
Date made	23/08/07	23/08/07
Date tested	27/08/07	27/08/07
Age of material (days)	4	4
Average diameter (mm)	99.8	99.9
Length (mm)	199.4	199.7
Mass of block in air (g)	3663	3665
Design strength (MPa)		
Density (kg/m <sup>3</sup> )	<b>2330</b>	<b>2330</b>
Height diameter ratio	2.00	2.00
Compressive strength (MPa)	<b>51.0</b>	<b>53.0</b>
Ends capped	ONE	ONE
Defects prior to testing	NIL	NIL

**Comments**

Water added:- 135ml 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	See report LR2726.2A and LR2726.3A for 7 and 28 day strengths.
Density, NZS 3112 : 1986, Pt 3 Clause 5	
Capping NZS 3112 : 1986, Pt 2 Clause 4 (amendment No 2 2000)	

Date reported : 20/09/2007

**IANZ Approved Signatory**

*S Darby*

Designation : *Senior Laboratory Technician*

Date : 28/09/2007

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

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 Date sampled : **23/07/07**  
 Sampling method : **Unknown**  
 Sample description : **Super Mortar**  
 Sample condition : **30kg Bag**  
 Source : **Client**  
 Grade : **-**  
 Actual slump (mm) : **-**  
 Specified slump (mm) : **-**

Project No :	<b>5WT033.M5</b>
Lab Ref No :	<b>2726 (Report 2726.2A)</b>
Client Ref No :	<b>Super Mortar</b>

Test Results		
Lab reference no		
Client reference no	3	4
Date made	23/08/07	23/08/07
Date tested	30/08/07	30/08/07
Age of material (days)	7	7
Average diameter (mm)	103.0	99.9
Length (mm)	202.8	199.7
Mass of block in air (g)	3968	3677
Design strength (MPa)		
Density (kg/m <sup>3</sup> )	<b>2340</b>	<b>2340</b>
Height diameter ratio	1.97	2.00
Compressive strength (MPa)	<b>59.0</b>	<b>61.0</b>
Ends capped	ONE	ONE
Defects prior to testing	NIL	NIL

**Comments**

Water added:- 135ml 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	See report LR2726.1A and LR2726.3A for 4 and 28 day strengths.
Density, NZS 3112 : 1986, Pt 3 Clause 5	
Capping NZS 3112 : 1986, Pt 2 Clause 4 (amendment No 2 2000)	

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 Contractor : **Mastermix and Packaging Ltd.**  
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 Date sampled : **23/07/07**  
 Sampling method : **Unknown**  
 Sample description : **Super Mortar**  
 Sample condition : **30kg Bag**  
 Source : **Client**  
 Grade : **-**  
 Actual slump (mm) : **-**  
 Specified slump (mm) : **-**

**Project No : 5WT033.M5**  
**Lab Ref No : 2726 (Report 2726.3A)**  
**Client Ref No : Super Mortar**

Test Results		
	5	6
Lab reference no		
Client reference no		
Date made	23/08/07	23/08/07
Date tested	20/09/07	20/09/07
Age of material (days)	28	28
Average diameter (mm)	99.9	100.0
Length (mm)	199.8	199.4
Mass of block in air (g)	3684	3671
Design strength (MPa)		
Density (kg/m <sup>3</sup> )	2340	2340
Height diameter ratio	2.00	1.99
Compressive strength (MPa)	69.5	69.5
Ends capped	ONE	ONE
Defects prior to testing	NIL	NIL

**Comments**

Water added:- 135ml per kg.

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 3.4.1b, Compaction by Vibrating table  
 3.4.2a, Hardened vertically

Test Methods	Notes
Compression, NZS 3112 : 1986, Pt 2 Clause 6	See report LR2726.1A and LR2726.2A for 4 and 7 day strengths.
Density, NZS 3112 : 1986, Pt 3 Clause 5	
Capping NZS 3112 : 1986, Pt 2 Clause 4 (amendment No 2 2000)	

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