

# PPC Ltd

## Group Laboratory Services



**PPC**

Technical Report No. T140464  
Modcon Pecast Manufactures  
Concrete Compressive Strength.

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Technical report No. T140464

Compressive Strengths of concrete cubes made by MODCON PRECAST.

## 1. INTRODUCTION

Three 100mm concrete cubes made on site by Modcon precast manufactures were supplied to determine the compressive strength, one cube was tested at one day and two cubes at twenty eight days. The results are as indicated in Table 1.

## 2. RESULTS

Table 1

Descriptions	Concrete Cubes 1140800215
Dry Density kg/m <sup>3</sup> – 7 day	2325
Compressive Strength, MPa – 7 day	26.0
Dry Density kg/m <sup>3</sup> – 28 day	2321
Compressive Strength, MPa – 28 day	37.0

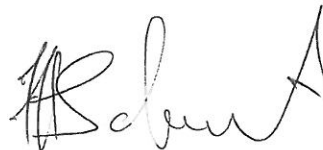
## 3. COMMENTS

1. Test was done according to the client request.
2. One cube for compressive strength results at 7 day.
3. Two cubes for compressive strength results at 28 day.

REPORTED BY: T Motau

SIGNED OFF BY: F Scheurwater

Date: 16 September 2014

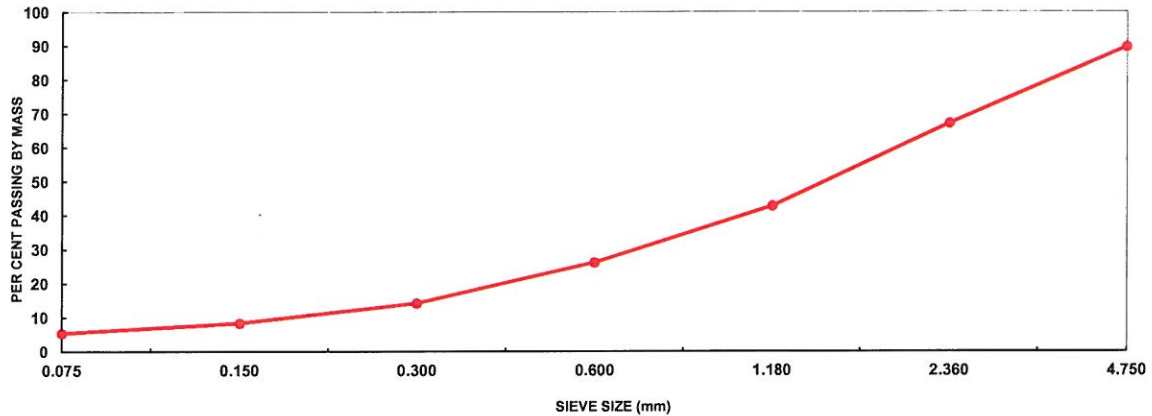




<b>Project Name:</b>	*CUSTOMER SUPPORT C&C	<b>Sample:</b>	1140900041
<b>Project No:</b>	P0000406	<b>LBD :</b>	1246 kg/m <sup>3</sup>
<b>Date:</b>	01 September 2014	<b>RD :</b>	2.38
<b>Description:</b>	Course Sand ex Decorus	<b>Moisture :</b>	4.70 %

<b>SIEVE ANALYSIS OF FINE AGGREGATE(SANS 201:2008)</b>						
<b>DRY MASS RETAINED ON EACH #</b>						
<b>Sieve Size (mm)</b>	<b>WASHED (g)</b>	<b>SIEVED (g)</b>	<b>TOTAL (g)</b>	<b>PASSING (%)</b>	<b>%&gt;ea. # (%)</b>	<b>Σ%&gt;ea. # (%)</b>
4.750	-	53	53	90	10	10.47
2.360	-	115	115	67	23	32.97
1.180	-	124	124	43	24	57.33
0.600	-	85	85	26	17	73.89
0.300	-	61	61	14	12	85.91
0.150	-	30	30	8	6	91.85
0.075	488.7	15	15	5	3	-
PAN	21.5	5	27	0	5	-
<b>TOTAL</b>	<b>510.2</b>	<b>488</b>	<b>510</b>	<b>-</b>	<b>100</b>	<b>-</b>
<b>F.M. =</b>					<b>3.52</b>	

**GRADING CURVE**



1140900041

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