

**CONCRETE CYLINDER COMPRESSION  
TEST REPORT**



**Neocrete Ltd**

7 Doctors Common  
Mt. Victoria  
Wellington 6011

Attention: Zarina Bazoeva/Matt Kennedy-Good

Project : **D5 testing**  
Cement sample : **Golden Bay Cement 'Eversure' Type GP (25 kg bags)**  
D5 sample: **07.07.18 '126'**

Concrete mixed by: **WSP Opus Research**  
Date mixed: **26/03/2019**  
Batch volume: **35 L**  
Grade: **35 MPa**  
Actual slump (mm): **130 (Note 2)**  
Specified slump (mm): **140+/-10**

<b>Project No :</b>	<b>524F25.00</b>
<b>Lab Ref No :</b>	<b>4-19/435</b>
<b>Client Ref No :</b>	<b>D5 - 3%</b>

Test Results					
Date tested		2/04/19		23/04/19	
Age at test (days)		7		28	
Average diameter (mm)		100.0	100.7	100.3	101.2
Height (mm)		200.0	199.5	200.5	200.5
Height to diameter ratio		2.00	1.98	2.00	1.98
Compressive strength (MPa)		48.5	46.0	58.5	58.0
Corrected comp.strength (Note 1) (MPa)		-	-	-	-
<b>Ave compressive strength (MPa)</b>		<b>47.5</b>		<b>58.5</b>	
Ends capped		None	None	None	None
Defects prior to testing		None	None	None	None
Failure mode		Normal	Normal	Normal	Normal

Test Methods	Notes
Compressive strength: NZS 3112:Part 2: 1986 Clauses 5 & 6 Capping: NZS 3112 : 1986, Pt 2 Clause 4 (amendment No 2 2000) Correction for height to diameter ratio: in-house method CL-04-511.	1. Strengths of specimens with height to diameter ratio 1.00 to 1.90 are corrected to account for the effect of the reduced height to diameter. 2. Fresh concrete properties have been reported separately. 3. 1 & 3 day strengths have been reported previously as page 1.

Date reported : 29/04/19

**IANZ Approved Signatory**

D. Wong

Designation : *Concrete Technologist*

Date : 29/04/19

**Testing is covered by IANZ Accreditation**

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