

Client: Parchem Construction Supplies Pty Ltd
7 Lucca Road
Wyong NSW 2259

Your Reference:

Our Reference: JN 15-06-261

Certificate of Test No. 11204

Sample: Repair Mortar Sample
Date Received: 01st October 2015
Date Tested: 15th December 2015 – 25th January 2016
From: SGS Laboratory, Bassendean
Description & Condition: 1 –off bag of RENDEROC LA55 PLUS

Test Description: Chloride Diffusion, Nordtest NT Build 443

Sample Preparation:

Standard cylinder samples were cast by SGS as per Parchem's technical data sheet. Samples were demoulded at 24 hours and cured in limewater at 23 ± 2 °C until required test ages.

Sub-samples were taken from the body of the cylinders, coated with epoxy resin and saturated to constant weight.

Test Method:

Method of test in accordance with Nordtest NT Build 443 Approved 1995-11 "Concrete, Hardened: Accelerated Chloride Penetration". Sub-samples analysed for chloride content by BS 1881:Part 124:1988 "Methods for Analysis of Hardened Concrete" Section 10.2 except titration by potentiometric method.



25/01/2016

Tested By
F. Juwono, Senior Technical Officer

Date



25/01/2016

Authorised Signatory
N. Nguyen, Chemist

Date



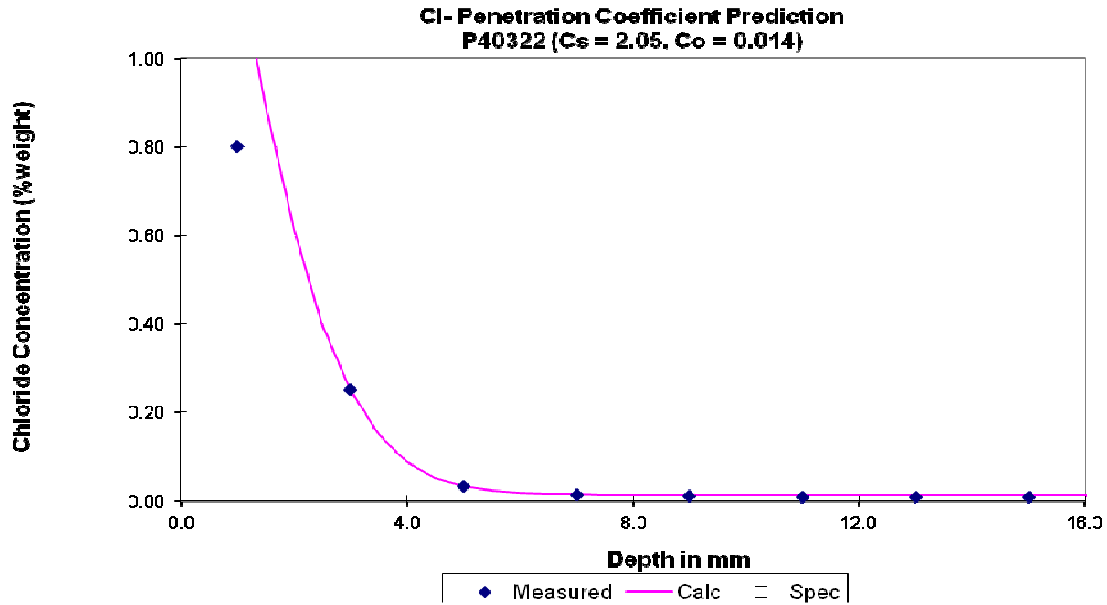
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Test Results:

Sample Identification

SGS Laboratory No: P40322
 Client Sample No: RENDEROC LA55 PLUS
 Date Cast: 20/10/15
 Age at Start of Test: 56 days



1. Chloride Ion Concentration Profile: (average of three test pieces)

Depth/mm	% Cl by wt Concrete
0-2	0.800 (ignored in curve fit)
2-4	0.250
4-6	0.032
6-8	0.013
8-10	0.011
10-12	0.009
12-14	0.009
14-16	0.008
Background, C _i	0.014

2. Determined Diffusion Coefficient, D_e: 0.6 x 10⁻¹² m²/sec
 Surface Chloride Concentration, C_s: 2.05 %
 Final Chloride Concentration, C_f: 0.05 %

3. Penetration Parameter, K_{Cf}: 15 mm/√year

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