

FUGRO TECHNICAL SERVICES LIMITED

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MateriaLab

Report No.: 061528RM60080(16)A

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REPORT ON ELECTRICAL INDICATION OF CONCRETE'S ABILITY TO RESIST CHLORIDE ION PENETRATION

Information Supplied by Client

Client: Tianjin Zhonghe Water-Proof Material Co. Ltd. c/o Bestford International Ltd.

Client Address: --

Project: Test on Waterproofing Material (CN 2000B)

Sample Description: Ø100mm Core drilled from 100mm Cube

Client's Sample ID.: --

Source of Concrete: --

Mix Code: --

Client's Ref. : --

Date Cast: 10-Jul-2006

W/C Ratio: --

A/C Ratio: --

Location of Drilling: Concrete Laboratory of MateriaLab

Laboratory Information

Lab Sample ID.: RM60080/10A

Curing Condition: Moist Curing at 27°C

Date of Drilling: 01-Aug-2006

Date Received: 24-Jun-2006

Date Tested: 07-Aug-2006

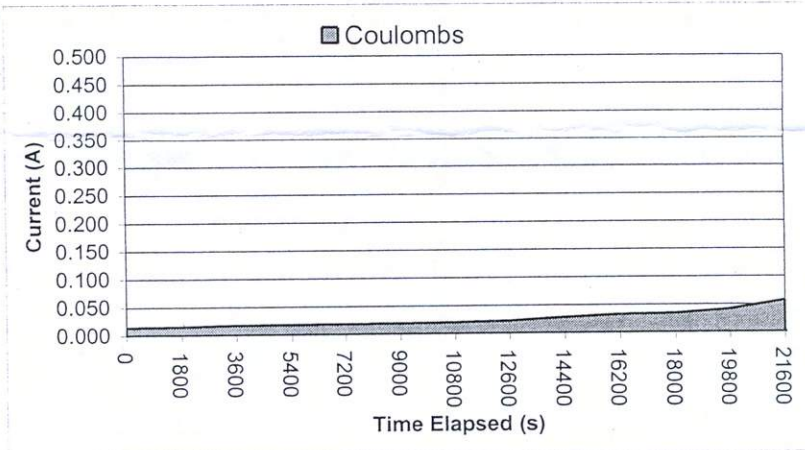
Age at Test: 28 days

Test Method: AASHTO T277-93

Test Results

Average measured diameter of specimen = 99.8 mm

Time Elapsed (s)	Current (A)
0	0.0141
1800	0.0153
3600	0.0175
5400	0.0182
7200	0.0188
9000	0.0193
10800	0.0205
12600	0.0225
14400	0.0281
16200	0.0328
18000	0.0344
19800	0.0410
21600	0.0572



Total Charge Passed (Adjusted to 95mm Diameter Specimen) = 496 Coulombs

The Qualitative Chloride Ion Penetrability Based on Charge Passed (from AASHTO T277-93 : table 1) : Very Low

Remarks: 1. Lab batch ID : RM60080/C
2. This report is to supersede our previous test report no. 061528RM60080(16).

Checked by: [Signature]

Certified by: [Signature]
Kwok Chi Wa (Senior Engineer)

Date: 12 FEB 2010



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Source of Concrete: --

Mix Code: --

Client's Ref.: --

Date Cast: 10-Jul-2006

W/C Ratio: --

A/C Ratio: --

Location of Drilling: Concrete Laboratory of MaterialLab

Laboratory Information

Lab Sample ID.: RM60080/10B

Curing Condition: Moist Curing at 27°C

Date of Drilling: 01-Aug-2006

Date Received: 24-Jun-2006

Date Tested: 07-Aug-2006

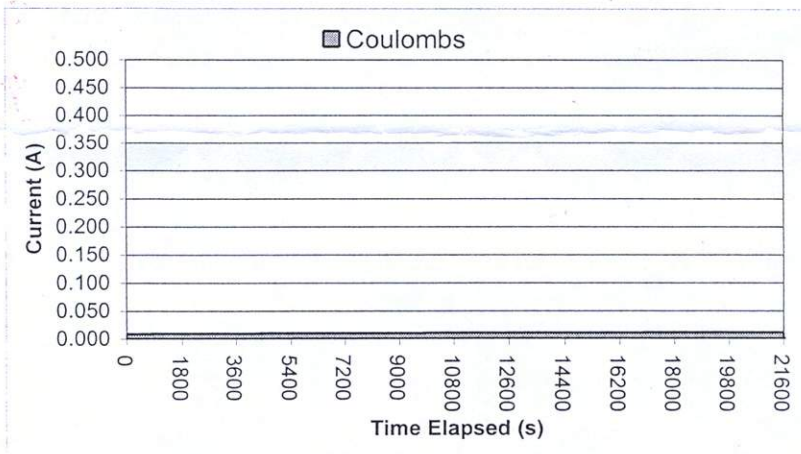
Age at Test: 28 days

Test Method: AASHTO T277-93

Test Results

Average measured diameter of specimen = 99.9 mm

Time Elapsed (s)	Current (A)
0	0.0091
1800	0.0095
3600	0.0098
5400	0.0100
7200	0.0101
9000	0.0103
10800	0.0105
12600	0.0106
14400	0.0108
16200	0.0110
18000	0.0112
19800	0.0114
21600	0.0115



Total Charge Passed (Adjusted to 95mm Diameter Specimen) = 204 Coulombs

The Qualitative Chloride Ion Penetrability Based on Charge Passed (from AASHTO T277-93 : table 1) : Very Low

Remarks: 1. Lab batch ID : RM60080/C

2. This report is to supersede our previous test report no. 061528RM60080(16).

Checked by: _____

Certified by: _____

Kwok Chi Wa (Senior Engineer)

Date: _____

12 FEB 2010



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Project: Test on Waterproofing Material (CN 2000B)
Sample Description: Ø100mm Core drilled from 100mm Cube
Client's Sample ID.: --
Source of Concrete: --
Mix Code: -- Client's Ref.: --
Date Cast: 10-Jul-2006 W/C Ratio: -- A/C Ratio: --
Location of Drilling: Concrete Laboratory of MaterialLab

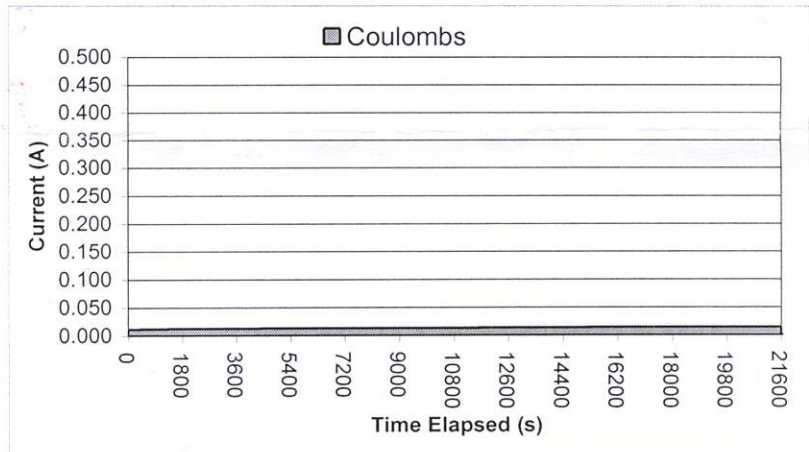
Laboratory Information

Lab Sample ID.: RM60080/10C Curing Condition: Moist Curing at 27°C
Date of Drilling: 01-Aug-2006 Date Received: 24-Jun-2006
Date Tested: 07-Aug-2006 Age at Test: 28 days
Test Method: AASHTO T277-93

Test Results

Average measured diameter of specimen = 99.8 mm

Time Elapsed (s)	Current (A)
0	0.0118
1800	0.0127
3600	0.0131
5400	0.0133
7200	0.0134
9000	0.0137
10800	0.0138
12600	0.0140
14400	0.0142
16200	0.0144
18000	0.0145
19800	0.0147
21600	0.0148



Total Charge Passed (Adjusted to 95mm Diameter Specimen) = 269 Coulombs

The Qualitative Chloride Ion Penetrability Based on Charge Passed (from AASHTO T277-93 : table 1) : Very Low

Remarks: 1. Lab batch ID : RM60080/C
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