

# FUGRO TECHNICAL SERVICES LIMITED

MaterialLab Division,  
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# MaterialLab

Report No.: **040123RM40098**

Page 1 of 1



## REPORT ON MIXING OF MORTAR

### Information Supplied by Client

Client: **Master Proofer Company Limited**

Client Address: --

Project: **Material Testing**

Client's Ref.: --

Main Contract No.: --

Works Order No.: --

Serial No.: --

Sample Description: Type : **Labond Coralatex C106-02**

Source : --

Batch No. : --

### Laboratory Information

Lab Batch ID.: **RM40098**

Date Received: **16-Mar-2004**

Date of Mixing: **19-Apr-2004**

Sample Location: **Concrete Lab. of MaterialLab**

Ambient Temperature: **22 °C**

Relative Humidity: **76 %**

Time of Start of Mixing: **15:25**

Mixing Time: **5 min.**

Time of Completion of Mixing: **15:30**

Test Method: **HKHA/MTS (2002/2004) Specification Part D Clause 2.1.20**

### Test Results

Mixing Materials Description	Quantity
Labond Coralatex C106-02	0.180 litre
Cement (Green Island)	3.0 kg
Sand	9.0 kg
Tap Water	0.900 litre
--	--

Remarks: --

Checked by:  Certified by:  Date: 20-5-2004  
(Felix Chan / M.Q. Su / T.K. Cheung)

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# MaterialLab

Report No. : 040123RM40098(1)

Page 1 of 1



## REPORT ON COMPRESSIVE STRENGTH TEST OF MORTAR CUBES

### Information Supplied by Client

Client : **Master Proofer Company Limited**  
Client Address : --  
Project : **Material Testing**  
Main Contract No. : -- Client's Ref. : --  
Works Order No. : --  
Serial No. : --  
Sample Description - Product Name : **Labond Coralatex C106-02**  
Source : --  
Batch No. : --  
Specimen ID. : --

### Laboratory Information

Laboratory Batch ID : **RM40098**  
Date Received of Raw Materials : **16-Mar-2004**  
Date Cast : **19-Apr-2004**  
Date Tested : **26-Apr-2004**  
Age at Test : **7 days**  
Method of Compaction : **By Hand**  
Sample Location : **Concrete Laboratory of MaterialLab**  
Nominal Size of Specimens : **70.7 x 70.7 x 70.7 mm**  
Ambient Conditions - Preparation of the Specimens : **22 °C, 76 % RH**  
Testing of the Specimens : **20 °C, 72 % RH**  
Curing Conditions : **27±2 °C, 55±5 % RH**  
Test Method : **HKHA / MTS (2002/2004) Specification Part D Clause 2.1.1**

### Test Results

Laboratory Specimen I.D.	Client Specimen I.D.	Dimension (L x W x H) (mm)	Mass (g)	Density (kg/m <sup>3</sup> )	Max. Load (kN)	Comp. Strength (N/mm <sup>2</sup> )	Mode of Failure <sup>1</sup>
RM40098/1A	---	70.7 x 70.7 x 70.7	730.4	2070	177	35.0	Satisfactory
RM40098/1B	---	70.8 x 70.7 x 70.9	724.5	2040	174	35.0	Satisfactory
RM40098/1C	---	70.6 x 70.7 x 70.8	721.9	2040	172	34.0	Satisfactory
Arithmetic mean						35.0	

### Note :

1. The mode of failure of the test specimens refers to the Figure 6 of CS1 : 1990 : Section 12.

Checked by : mb Date : 20-5-04 Certified by : [Signature] Date : 20-5-2004  
(Felix Chan / M.Q. Su / T.K. Cheung)

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**MaterialLab**

Report No. : 040123RM40098(2)

Page 1 of 1

Client's Ref. : --

**REPORT ON FLEXURAL STRENGTH OF MORTAR**Client : **Master Proofer Company Limited**Project : **Material Testing**

Location : --

W/I No. : --

Sample Description : - Type : **Labond Coralatex C106-02**  
Source : --  
Batch No. : --

Batch ID : **RM40098**Nominal Dimension of Specimen : **25 x 25 x 100 mm**Method of Compaction : **By hand**Curing Regime : **27 ± 2 °C, 55 ± 5% RH**Location of Sampling : **Concrete Lab. of MaterialLab**Date Cast : **19-Apr-2004**Date Received : **16-Mar-2004**Date Tested : **26-Apr-2004**Age at Test : **7 days**Test Method : **BS 6319 : Part 3 : 1983 (with modification see remark 1)****Test Result**

Specimen Identification	Dimensions of Failure Area (mm)	Mass of Specimen (g)	Maximum Load (N)	Flexural Strength (N/mm <sup>2</sup> )
RM40098/2A	25.1 x 25.2	135.4	1107	7.8
RM40098/2B	24.9 x 25.4	137.3	1180	8.2
RM40098/2C	25.0 x 25.4	137.6	1087	7.6
			Mean	7.8

Remark : (1) The three test specimens instead of four specimens were tested.

Checked by :  Certified by :  Date : 26-5-2004  
(Felix Chan/M.Q. Su/T.K. Chetung)

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# MaterialLab

Report No. : 040123RM40098(3)

Page 1 of 1



## REPORT ON COMPRESSIVE STRENGTH TEST OF MORTAR CUBES

### Information Supplied by Client

Client : Master Proofer Company Limited  
Client Address : --  
Project : Material Testing  
Main Contract No. : -- Client's Ref. : --  
Works Order No. : --  
Serial No. : --  
Sample Description - Product Name : Labond Coralutex C106-02  
Source : --  
Batch No. : --  
Specimen ID. : --

### Laboratory Information

Laboratory Batch ID. : RM40098  
Date Received of Raw Materials: 16-Mar-2004  
Date Cast : 19-Apr-2004  
Date Tested : 17-May-2004  
Age at Test : 28 days  
Method of Compaction : By Hand  
Sample Location : Concrete Laboratory of MaterialLab  
Nominal Size of Specimens : 70.7 x 70.7 x 70.7 mm  
Ambient Conditions - Preparation of the Specimens : 22 °C, 76 % RH  
Testing of the Specimens : 20 °C, 73 % RH  
Curing Conditions : 27±2 °C, 55±5 % RH  
Test Method : HKHA / MTS (2002/2004) Specification Part D Clause 2.1.1

### Test Results

Laboratory Specimen I.D.	Client Specimen I.D.	Dimension (L x W x H) (mm)	Mass (g)	Density (kg/m <sup>3</sup> )	Max. Load (kN)	Comp. Strength (N/mm <sup>2</sup> )	Mode of Failure <sup>1</sup>
RM40098/1D	---	70.8 x 70.7 x 71.0	721.1	2030	194	39.0	Satisfactory
RM40098/1E	---	70.7 x 70.8 x 71.1	727.0	2040	206	41.0	Satisfactory
RM40098/1F	---	70.8 x 70.7 x 71.2	712.3	2000	176	35.0	Satisfactory
Arithmetic mean						38.0	

### Note :

1. The mode of failure of the test specimens refers to the Figure 6 of CS1 : 1990 : Section 12.

Checked by : mb Date : 20-5-04 Certified by : [Signature] Date : 22-5-2004  
(Felix Chan / M.Q. Su / T.K. Cheung)

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# MaterialLab

Report No. : 040123RM40098(4)

Page 1 of 1

Client's Ref. : --

## REPORT ON FLEXURAL STRENGTH OF MORTAR

Client : **Master Proofer Company Limited**

Project : **Material Testing**

Location : --

W/I No. : --

Sample Description : - Type : **Labond Coralatex C106-02**  
Source : --  
Batch No. : --

Batch ID : **RM40098**

Nominal Dimension of Specimen : **25 x 25 x 100 mm**

Method of Compaction : **By hand**

Curing Regime : **27 ± 2 °C, 55 ± 5% RH**

Location of Sampling : **Concrete Lab. of MaterialLab**

Date Cast : **19-Apr-2004**

Date Received : **16-Mar-2004**

Date Tested : **17-May-2004**

Age at Test : **28 days**

Test Method : **BS 6319 : Part 3 : 1983 (with modification see remark 1)**

### Test Result

Specimen Identification	Dimensions of Failure Area (mm)	Mass of Specimen (g)	Maximum Load (N)	Flexural Strength (N/mm <sup>2</sup> )
RM40098/2D	24.8 x 25.3	135.5	1099	7.8
RM40098/2E	25.0 x 25.4	133.6	1015	7.0
RM40098/2F	24.9 x 24.9	133.3	1046	7.6
			<b>Mean</b>	<b>7.4</b>

Remark : (1) The three test specimens instead of four specimens were tested.

Checked by : mb Certified by : M.S.T. Date : 2004-5-17  
(Felix Chan/M.Q. Su/T.K. Cheung)



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# MaterialLab

Report No.: 040123RM40097

Page 1 of 1



## REPORT ON MIXING OF MORTAR

### Information Supplied by Client

Client: **Master Proofer Company Limited**

Client Address: --

Project: **Material Testing**

Client's Ref.: --

Main Contract No.: --

Works Order No.: --

Serial No.: --

Sample Description: Type : **Labond Coralatex C106-01**  
Source : --  
Batch No. : --

### Laboratory Information

Lab Batch ID.: **RM40097**

Date Received: **16-Mar-2004**

Date of Mixing: **27-Apr-2004**

Sample Location: **Concrete Lab. of MaterialLab**

Ambient Temperature: **23 °C**

Relative Humidity: **76 %**

Time of Start of Mixing: **19:20**

Mixing Time: **5 min.**

Time of Completion of Mixing: **19:25**

Test Method: **HKHA/MTS (2002/2004) Specification Part D Clause 2.1.20**

### Test Results

Mixing Materials Description	Quantity
<b>Labond Coralatex C106-01</b>	<b>0.84 litre</b>
<b>Cement (Green Island)</b>	<b>7.0 kg</b>
<b>Sand</b>	<b>17.5 kg</b>
<b>Tap Water</b>	<b>1.68 litre</b>
<b>--</b>	<b>--</b>

Remarks: --

Checked by :  Certified by :  Date : 9-6-2004  
(Felix Chan / M.Q. Su / T.K. Cheung)

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# MaterialLab



Report No. : 040123RM40097(1)

Page 1 of 1

## REPORT ON COMPRESSIVE STRENGTH TEST OF MORTAR CUBES

### Information Supplied by Client

Client : **Master Proofer Company Limited**  
Client Address : --  
Project : **Material Testing**  
Main Contract No. : -- Client's Ref. : --  
Works Order No. : --  
Serial No. : --  
Sample Description - Product Name : **Labond Coralatex C106-01**  
Source : --  
Batch No. : --  
Specimen ID. : --

### Laboratory Information

Laboratory Batch ID : **RM40097**  
Date Received of Raw Materials : **16-Mar-2004**  
Date Cast : **27-Apr-2004**  
Date Tested : **04-May-2004**  
Age at Test : **7 days**  
Method of Compaction : **By Hand**  
Sample Location : **Concrete Laboratory of MaterialLab**  
Nominal Size of Specimens : **70.7 x 70.7 x 70.7 mm**  
Ambient Conditions - Preparation of the Specimens : **23 °C, 76 % RH**  
Testing of the Specimens : **20 °C, 67 % RH**  
Curing Conditions : **27±2 °C, 55±5 % RH**  
Test Method : **HKHA / MTS (2002/2004) Specification Part D Clause 2.1.1**

### Test Results

Laboratory Specimen I.D.	Client Specimen I.D.	Dimension (L x W x H) (mm)	Mass (g)	Density (kg/m <sup>3</sup> )	Max. Load (kN)	Comp. Strength (N/mm <sup>2</sup> )	Mode of Failure '1
RM40097/1A	---	70.7 x 70.8 x 70.7	790.2	2230	290	58.0	Satisfactory
RM40097/1B	---	70.8 x 70.7 x 70.8	790.5	2230	291	58.0	Satisfactory
RM40097/1C	---	70.6 x 70.7 x 70.7	793.1	2250	307	61.0	Satisfactory
Arithmetic mean						59.0	

### Note :

1. The mode of failure of the test specimens refers to the Figure 6 of CS1 : 1990 : Section 12.

Checked by : mlb Date : 7-6-04 Certified by : [Signature] Date : 9-6-2004  
(Felix Chan / M.Q. Su / T.K. Cheung)

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# MateriaLab

Report No. : 040123RM40097(2)  
Client's Ref. : --

Page 1 of 1

## REPORT ON FLEXURAL STRENGTH OF MORTAR

Client : **Master Proofer Company Limited**

Project : **Material Testing**

Location : --

W/I No. : --

Sample Description : - Type : **Labond Coralatex C106-01**  
Source : --  
Batch No. : --

Batch ID : **RM40097**

Nominal Dimension of Specimen : **25 x 25 x 100 mm**

Method of Compaction : **By hand**

Curing Regime : **27 ± 2 °C, 55 ± 5% RH**

Location of Sampling : **Concrete Lab. of MateriaLab**

Date Cast : **27-Apr-2004**

Date Received : **16-Mar-2004**

Date Tested : **04-May-2004**

Age at Test : **7 days**

Test Method : **BS 6319 : Part 3 : 1983 (with modification see remark 1)**

### Test Result

Specimen Identification	Dimensions of Failure Area (mm)	Mass of Specimen (g)	Maximum Load (N)	Flexural Strength (N/mm <sup>2</sup> )
RM40097/2A	24.7 x 25.2	139.5	1455	10.4
RM40097/2B	24.9 x 24.8	140.1	1582	11.6
RM40097/2C	24.7 x 25.0	143.2	1610	11.8
			Mean	11.2

Remark : (1) The three test specimens instead of four specimens were tested.

Checked by :                     m6                     Certified by :                     Malt                     Date :                     9-6-2004                      
(Felix Chan/M.Q. Su/T.K. Cheung)



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## MaterialLab



Report No. : 040123RM40097(3)

Page 1 of 1

## REPORT ON COMPRESSIVE STRENGTH TEST OF MORTAR CUBES

### Information Supplied by Client

Client : Master Proofer Company Limited  
Client Address : --  
Project : Material Testing  
Main Contract No. : -- Client's Ref. : --  
Works Order No. : --  
Serial No. : --  
Sample Description - Product Name : Labond Coralatex C106-01  
Source : --  
Batch No. : --  
Specimen ID. : --

### Laboratory Information

Laboratory Batch ID : RM40097  
Date Received of Raw Materials : 16-Mar-2004  
Date Cast : 27-Apr-2004  
Date Tested : 25-May-2004  
Age at Test : 28 days  
Method of Compaction : By Hand  
Sample Location : Concrete Laboratory of MaterialLab  
Nominal Size of Specimens : 70.7 x 70.7 x 70.7 mm  
Ambient Conditions - Preparation of the Specimens : 23 °C, 76 % RH  
Testing of the Specimens : 20 °C, 75 % RH  
Curing Conditions : 27±2 °C, 55±5 % RH  
Test Method : HKHA / MTS (2002/2004) Specification Part D Clause 2.1.1

### Test Results

Laboratory Specimen I.D.	Client Specimen I.D.	Dimension (L x W x H) (mm)	Mass (g)	Density (kg/m <sup>3</sup> )	Max. Load (kN)	Comp. Strength (N/mm <sup>2</sup> )	Mode of Failure
RM40097/1D	---	70.8 x 70.8 x 71.3	791.1	2210	351	70.0	Satisfactory
RM40097/1E	---	70.7 x 70.7 x 71.2	788.2	2210	357	71.0	Satisfactory
RM40097/1F	---	70.8 x 70.8 x 70.9	795.0	2240	348	70.0	Satisfactory
Arithmetic mean						70.0	

### Note :

1. The mode of failure of the test specimens refers to the Figure 6 of CS1 : 1990 : Section 12

Checked by : MLB Date : 7-6-04 Certified by : [Signature] Date : 9-6-2004  
(Felix Chan / M.Q. Su / T.K. Cheung)

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**MaterialLab**Report No. : **040123RM40097(4)**

Page 1 of 1

Client's Ref. : --

**REPORT ON FLEXURAL STRENGTH OF MORTAR**Client : **Master Proofer Company Limited**Project : **Material Testing**

Location : --

W/I No. : --

Sample Description : - Type : **Labond Coralatex C106-01**

Source : --

Batch No. : --

Batch ID : **RM40097**Nominal Dimension of Specimen : **25 x 25 x 100 mm**Method of Compaction : **By hand**Curing Regime : **27 ± 2 °C, 55 ± 5% RH**Location of Sampling : **Concrete Lab. of MaterialLab**Date Cast : **27-Apr-2004**Date Received : **16-Mar-2004**Date Tested : **25-May-2004**Age at Test : **28 days**Test Method : **BS 6319 : Part 3 : 1983 (with modification see remark 1)****Test Result**

Specimen Identification	Dimensions of Failure Area (mm)	Mass of Specimen (g)	Maximum Load (N)	Flexural Strength (N/mm <sup>2</sup> )
RM40097/2D	25.0 x 25.2	141.1	1580	11.2
RM40097/2E	24.6 x 25.5	140.3	1542	10.8
RM40097/2F	24.9 x 25.5	140.9	1673	11.6
			<b>Mean</b>	<b>11.2</b>

Remark : (1) The three test specimens instead of four specimens were tested.

Checked by :

Certified by :

Date :

9-6-2004

(Felix Chan/M.Q. Su/T.K. Cheung)



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# MaterialLab

Report No. : 040123RM40097(5)

Your ref. : --

Page 1 of 1

## REPORT FOR DRYING SHRINKAGE OF MORTAR

### INFORMATION SUPPLIED BY CLIENT

Client : Master Proofer Company Limited

Project : Material Testing

Sample Description-

Type : Labond Coralatex C106-01

Source : -

Batch No. : -

### LABORATORY INFORMATION

Sampling Location : Concrete Laboratory of MaterialLab

Batch No. : RM40097

Nominal size of specimen : 25 x 25 x 285 mm

Date of mixing : 27-Apr-2004

Relative humidity during mixing : 76%RH

Temperature during mixing : 23°C

Time of casting : 19:35

Date of casting : 27-Apr-2004

Time of demoulding : 19:40

Date of demoulding : 28-Apr-2004

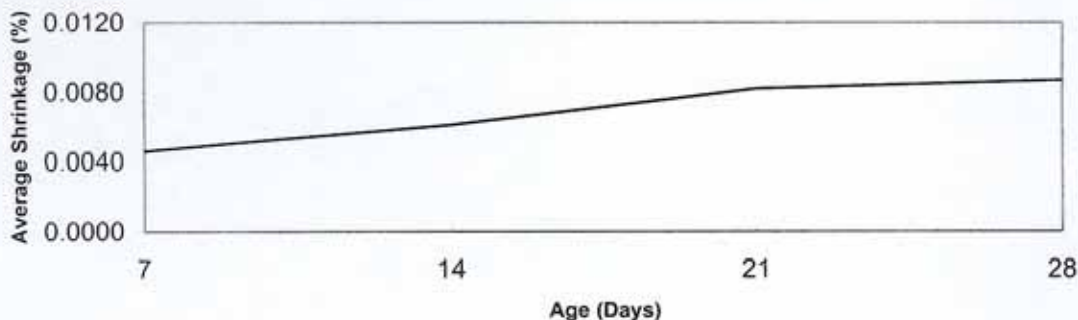
Time of the specimens removed from water : 19:45

Date of the specimens removed from water : 29-Apr-2004

Test Method : ASTM C596-89 with the following modifications : moist storage condition was maintained at  $20\pm 1$  °C instead of  $23\pm 1.7$  °C and the drying room condition was at  $27\pm 2$ °C and  $55\pm 5$  % R.H. , instead of  $23\pm 1.7$  °C and  $50\pm 4$  % R.H.

### TEST RESULTS

Date	Age (Days)	Average shrinkage of specimen as percent of effect gauge length (%)
04-May-04	7	0.0046
11-May-04	14	0.0061
18-May-04	21	0.0082
25-May-04	28	0.0087



Remark : --

Checked By : mg Date : 8-6-04 Certified By : M. Q. Su Date : 9-6-2004

M. Q. Su

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## MaterialLab

Report No. : 040123RM40100(2)

Client's Ref. : --

Page 1 of 1

### REPORT ON FLEXURAL STRENGTH OF CONCRETE

Client : **Master Proofer Company Limited**

Project : **Material Testing**

Location : --

W/I No. : --

Sample Description : - Type : **Labond Coralalex C106-04**  
Source : --  
Batch No. : --

Batch ID : **RM40100**

Nominal Dimension of Specimen : **25 x 25 x 100 mm**

Method of Compaction : **By hand**

Curing Regime : **27 ± 2 °C, 55 ± 5% RH**

Location of Sampling : **Concrete Lab. of MaterialLab**

Date Cast : **29-Apr-2004**

Date Received : **16-Mar-2004**

Date Tested : **06-May-2004**

Age at Test : **7 days**

Test Method : **Ref. BS 6319 : Part 3 : 1983 (with modification see remark 1)**

#### Test Result

Specimen Identification	Dimensions of Failure Area (mm)	Mass of Specimen (g)	Maximum Load (N)	Flexural Strength (N/mm <sup>2</sup> )
RM40100/2A	75.3 x 74.0	3537.5	7280	6.0
RM40100/2B	75.3 x 74.4	3570.5	6800	5.6
RM40100/2C	75.0 x 74.2	3552.5	7030	5.8
			<b>Mean</b>	<b>5.8</b>

Remark : (1) The three test specimens instead of four specimens were tested.

Checked by :                      Certified by :                      Date : 7-6-2004  
(Felix Chan/M.Q. Su/T.K. Chedng)



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**MateriaLab**Report No.: **040123RM40100**

Page 1 of 1

**REPORT ON MIXING OF CONCRETE**Information Supplied by ClientClient: **Master Proofer Company Limited**

Client Address: --

Project: **Material Testing**

Client's Ref.: --

Main Contract No.: --

Works Order No.: --

Serial No.: --

Sample Description: Type : **Labond Coralatex C106-04**  
 Source : --  
 Batch No. : --

Laboratory InformationLab Batch ID.: **RM40100**Date Received: **16-Mar-2004**Date of Mixing: **29-Apr-2004**Sample Location: **Concrete Lab. of MateriaLab**Ambient Temperature: **23 °C**Relative Humidity: **76 %**Time of Start of Mixing: **14:10**Mixing Time: **5 min.**Time of Completion of Mixing: **14:15**Test Method: **Ref. HKHA/MTS (2002/2004) Specification Part D Clause 2.1.20**Test Results

Mixing Materials Description	Quantity
<b>Labond Coralatex C106-04</b>	<b>1.05 litre</b>
<b>Cement (Green Island)</b>	<b>17.5 kg</b>
<b>Sand</b>	<b>26.25 kg</b>
<b>10mm Agg.</b>	<b>26.25 kg</b>
<b>Tap Water</b>	<b>5.25 litre</b>

Remarks: --

Checked by :  Certified by :  Date : 7-6-2004  
 (Felix Chan / M.Q. Su / T.K. Cheung)

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## MaterialLab

Report No. : 040123RM40100(1)

Page 1 of 1

### REPORT ON COMPRESSIVE STRENGTH TEST OF CONCRETE CUBES

#### Information Supplied by Client

Client : **Master Proofer Company Limited**  
Client Address : --  
Project : **Material Testing**  
Main Contract No. : -- Client's Ref. : --  
Works Order No. : --  
Serial No. : --  
Sample Description - Product Name : **Labond Coralatex C106-04**  
Source : --  
Batch No. : --  
Specimen ID. : --

#### Laboratory Information

Laboratory Batch ID. : **RM40100**  
Date Received of Raw Materials: **16-Mar-2004**  
Date Cast : **29-Apr-2004**  
Date Tested : **06-May-2004**  
Age at Test : **7 days**  
Method of Compaction : **By Hand**  
Sample Location : **Concrete Laboratory of MaterialLab**  
Nominal Size of Specimens : **100 x 100 x 100 mm**  
Ambient Conditions - Preparation of the Specimens : **23 °C, 76 % RH**  
Testing of the Specimens : **20 °C, 75 % RH**  
Curing Conditions : **27±2 °C, 55±5 % RH**  
Test Method : **Ref. HKHA / MTS (2002/2004) Specification Part D Clause 2.1.1**

#### Test Results

Laboratory Specimen I.D.	Client Specimen I.D.	Dimension (L x W x H) (mm)	Mass (g)	Density (kg/m <sup>3</sup> )	Max. Load (kN)	Comp. Strength (N/mm <sup>2</sup> )	Mode of Failure <sup>1</sup>
RM40100/1A	---	100.2 x 100.1 x 100.2	2234.6	2220	625	62.0	Satisfactory
RM40100/1B	---	100.2 x 100.2 x 100.1	2260.0	2250	619	62.0	Satisfactory
RM40100/1C	---	100.1 x 100.2 x 100.3	2234.2	2220	596	60.0	Satisfactory
Arithmetic mean						61.0	

#### Note :

1. The mode of failure of the test specimens refers to the Figure 6 of CS1 : 1990 : Section 12.

Checked by : mlb Date : 7-6-04 Certified by : [Signature] Date : 7-6-2004  
(Felix Chan / M.Q. Su / T.K. Cheung)



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## MaterialLab

Report No. : 040123RM40100(3)

Page 1 of 1

### REPORT ON COMPRESSIVE STRENGTH TEST OF CONCRETE CUBES

#### Information Supplied by Client

Client : **Master Proofer Company Limited**  
Client Address : --  
Project : **Material Testing**  
Main Contract No. : -- Client's Ref. : --  
Works Order No. : --  
Serial No. : --  
Sample Description - Product Name : **Labond Coralatex C106-04**  
Source : --  
Batch No. : --  
Specimen ID. : --

#### Laboratory Information

Laboratory Batch ID. : **RM40100**  
Date Received of Raw Materials: **16-Mar-2004**  
Date Cast : **29-Apr-2004**  
Date Tested : **27-May-2004**  
Age at Test : **28 days**  
Method of Compaction : **By Hand**  
Sample Location : **Concrete Laboratory of MaterialLab**  
Nominal Size of Specimens : **100 x 100 x 100 mm**  
Ambient Conditions - Preparation of the Specimens : **23 °C, 76 % RH**  
Testing of the Specimens : **20 °C, 75 % RH**  
Curing Conditions : **27±2 °C, 55±5 % RH**  
Test Method : **Ref. HKHA / MTS (2002/2004) Specification Part D Clause 2.1.1**

#### Test Results

Laboratory Specimen I.D.	Client Specimen I.D.	Dimension (L x W x H) (mm)	Mass (g)	Density (kg/m <sup>3</sup> )	Max. Load (kN)	Comp. Strength (N/mm <sup>2</sup> )	Mode of Failure '
RM40100/1D	---	100.1 x 100.0 x 100.3	2234.0	2230	742	74.0	Satisfactory
RM40100/1E	---	100.0 x 100.1 x 100.2	2262.1	2260	760	76.0	Satisfactory
RM40100/1F	---	100.1 x 100.2 x 100.5	2245.3	2230	773	77.0	Satisfactory
Arithmetic mean						76.0	

Note :

1. The mode of failure of the test specimens refers to the Figure 6 of CS1 : 1990 : Section 12.

Checked by : mb Date : 7-6-04 Certified by : [Signature] Date : 7-6-2004  
(Felix Chan / M.O. Su / T.K. Cheung)

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# MateriaLab

Report No. : 040123RM40100(4)

Page 1 of 1

Client's Ref. : --

## REPORT ON FLEXURAL STRENGTH OF CONCRETE

Client : **Master Proofer Company Limited**

Project : **Material Testing**

Location : --

W/I No. : --

Sample Description : - Type : **Labond Coralatex C106-04**  
Source : --  
Batch No. : --

Batch ID : **RM40100**

Nominal Dimension of Specimen : **25 x 25 x 100 mm**

Method of Compaction : **By hand**

Curing Regime : **27 ± 2 °C, 55 ± 5% RH**

Location of Sampling : **Concrete Lab. of MateriaLab**

Date Cast : **29-Apr-2004**

Date Received : **16-Mar-2004**

Date Tested : **27-May-2004**

Age at Test : **28 days**

Test Method : **Ref. BS 6319 : Part 3 : 1983 (with modification see remark 1)**

### Test Result

Specimen Identification	Dimensions of Failure Area (mm)	Mass of Specimen (g)	Maximum Load (N)	Flexural Strength (N/mm <sup>2</sup> )
RM40100/2D	75.0 x 76.2	3652.5	9940	7.8
RM40100/2E	74.8 x 73.9	3447.8	9550	8.0
RM40100/2F	75.2 x 76.5	3589.5	10630	8.2
			Mean	8.0

Remark : (1) The three test specimens instead of four specimens were tested.

Checked by : W. Le Certified by : M. Q. Su Date : 7-6-2004  
(Felix Chan/M.Q. Su/T.K. Cheung)



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## MaterialLab

Report No.: 040123RM40099

Page 1 of 1



## REPORT ON MIXING OF MORTAR

### Information Supplied by Client

Client: **Master Proofer Company Limited**

Client Address: --

Project: **Material Testing**

Client's Ref.: --

Main Contract No.: --

Works Order No.: --

Serial No.: --

Sample Description: Type : **Labond Coralatex C106-03**  
Source : --  
Batch No. : --

### Laboratory Information

Lab Batch ID.: **RM40099**

Date Received: **16-Mar-2004**

Date of Mixing: **03-May-2004**

Sample Location: **Concrete Lab. of MaterialLab**

Ambient Temperature: **23 °C**

Relative Humidity: **76 %**

Time of Start of Mixing: **14:30**

Mixing Time: **5 min.**

Time of Completion of Mixing: **14:35**

Test Method: **HKHA/MTS (2002/2004) Specification Part D Clause 2.1.20**

### Test Results

Mixing Materials Description	Quantity
<b>Labond Coralatex C106-03</b>	<b>0.36 litre</b>
<b>Cement (Green Island)</b>	<b>3 kg</b>
<b>Sand</b>	<b>4.5 kg</b>
<b>Fine Agg.</b>	<b>4.5 kg</b>
<b>Tap Water</b>	<b>0.72 litre</b>

Remarks: --

Checked by :  Certified by :  Date : 8-6-2004

(Felix Chan / M.Q. Su / T.K. Cheung)

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# MaterialLab

Report No. : 040123RM40099(2)

Page 1 of 1

Client's Ref. : --

### REPORT ON FLEXURAL STRENGTH OF MORTAR

Client : **Master Proofer Company Limited**

Project : **Material Testing**

Location : --

W/I No. : --

Sample Description : - Type : **Labond Coralatex C106-03**  
Source : --  
Batch No. : --

Batch ID : **RM40099**

Nominal Dimension of Specimen : **25 x 25 x 100 mm**

Method of Compaction : **By hand**

Curing Regime : **27 ± 2 °C, 55 ± 5% RH**

Location of Sampling : **Concrete Lab. of MaterialLab**

Date Cast : **03-May-2004**

Date Received : **16-Mar-2004**

Date Tested : **10-May-2004**

Age at Test : **7 days**

Test Method : **BS 6319 : Part 3 : 1983 (with modification see remark 1)**

#### Test Result

Specimen Identification	Dimensions of Failure Area (mm)	Mass of Specimen (g)	Maximum Load (N)	Flexural Strength (N/mm <sup>2</sup> )
RM40099/2A	24.8 x 25.9	137.4	1128	7.6
RM40099/2B	24.7 x 25.8	137.6	917	6.2
RM40099/2C	24.6 x 25.4	133.5	985	7.0
			<b>Mean</b>	<b>7.0</b>

Remark : (1) The three test specimens instead of four specimens were tested.

Checked by : Mb Certified by : M. Q. Su / T. K. Cheung Date : 8-6-2004  
(Felix-Chan/M.Q. Su/T.K. Cheung)



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# MaterialLab

Report No. : 040123RM40099(3)

Page 1 of 1



## REPORT ON COMPRESSIVE STRENGTH TEST OF MORTAR CUBES

### Information Supplied by Client

Client : Master Proofer Company Limited  
Client Address : --  
Project : Material Testing  
Main Contract No. : -- Client's Ref. : --  
Works Order No. : --  
Serial No. : --  
Sample Description - Product Name : Labond Coralatex C106-03  
Source : --  
Batch No. : --  
Specimen ID. : --

### Laboratory Information

Laboratory Batch ID. : RM40099  
Date Received of Raw Materials: 16-Mar-2004  
Date Cast : 03-May-2004  
Date Tested : 31-May-2004  
Age at Test : 28 days  
Method of Compaction : By Hand  
Sample Location : Concrete Laboratory of MaterialLab  
Nominal Size of Specimens : 70.7 x 70.7 x 70.7 mm  
Ambient Conditions - Preparation of the Specimens : 23 °C, 76 % RH  
Testing of the Specimens : 21 °C, 67 % RH  
Curing Conditions : 27±2 °C, 55±5 % RH  
Test Method : HKHA / MTS (2002/2004) Specification Part D Clause 2.1.1

### Test Results

Laboratory Specimen I.D.	Client Specimen I.D.	Dimension (L x W x H) (mm)	Mass (g)	Density (kg/m <sup>3</sup> )	Max. Load (kN)	Comp. Strength (N/mm <sup>2</sup> )	Mode of Failure <sup>1</sup>
RM40099/1D	---	70.8 x 70.7 x 71.5	781.2	2180	247	49.0	Satisfactory
RM40099/1E	---	70.7 x 70.7 x 71.3	793.0	2230	284	57.0	Satisfactory
RM40099/1F	---	70.8 x 70.8 x 71.2	796.0	2230	298	60.0	Satisfactory
Arithmetic mean						55.0	

### Note :

1. The mode of failure of the test specimens refers to the Figure 6 of CS1 : 1990 : Section 12.

Checked by : M. G. Date : 7-6-04 Certified by : [Signature] Date : 8-6-2004  
(Felix Chan / M.Q. Su / T.K. Cheung)

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# MaterialLab

Report No. : 040123RM40099(1)

Page 1 of 1



## REPORT ON COMPRESSIVE STRENGTH TEST OF MORTAR CUBES

### Information Supplied by Client

Client : **Master Proofer Company Limited**  
Client Address : --  
Project : **Material Testing**  
Main Contract No. : -- Client's Ref. : --  
Works Order No. : --  
Serial No. : --  
Sample Description - Product Name : **Labond Coralatex C106-03**  
Source : --  
Batch No. : --  
Specimen ID. : --

### Laboratory Information

Laboratory Batch ID : **RM40099**  
Date Received of Raw Materials : **16-Mar-2004**  
Date Cast : **03-May-2004**  
Date Tested : **10-May-2004**  
Age at Test : **7 days**  
Method of Compaction : **By Hand**  
Sample Location : **Concrete Laboratory of MaterialLab**  
Nominal Size of Specimens : **70.7 x 70.7 x 70.7 mm**  
Ambient Conditions - Preparation of the Specimens : **23 °C, 76 % RH**  
Testing of the Specimens : **20 °C, 68 % RH**  
Curing Conditions : **27±2 °C, 55±5 % RH**  
Test Method : **HKHA / MTS (2002/2004) Specification Part D Clause 2.1.1**

### Test Results

Laboratory Specimen I.D.	Client Specimen I.D.	Dimension (L x W x H) (mm)	Mass (g)	Density (kg/m <sup>3</sup> )	Max. Load (kN)	Comp. Strength (N/mm <sup>2</sup> )	Mode of Failure <sup>1</sup>
RM40099/1A	---	70.7 x 70.7 x 71.0	768.2	2160	205	41.0	Satisfactory
RM40099/1B	---	70.8 x 70.8 x 70.9	783.0	2200	228	46.0	Satisfactory
RM40099/1C	---	70.7 x 70.8 x 71.1	778.3	2190	250	50.0	Satisfactory
Arithmetic mean						46.0	

### Note :

1. The mode of failure of the test specimens refers to the Figure 6 of CS1 : 1990 : Section 12.

Checked by : M6 Date : 7-6-04 Certified by : [Signature] Date : 8-6-2004  
(Felix Chan / M.Q. Su / T.K. Cheung)

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## MaterialLab

Report No.: 040123RM40102

Page 1 of 1



## REPORT ON MIXING OF MORTAR

### Information Supplied by Client

Client: Master Proofer Company Limited

Client Address: --

Project: Material Testing

Client's Ref.: --

Main Contract No.: --

Works Order No.: --

Serial No.: --

Sample Description: Type : Labond Coralatex C106-06

Source : --

Batch No. : --

### Laboratory Information

Lab Batch ID.: RM40102

Date Received: 16-Mar-2004

Date of Mixing: 30-Apr-2004

Sample Location: Concrete Lab. of MaterialLab

Ambient Temperature: 23 °C

Relative Humidity: 76 %

Time of Start of Mixing: 14:45

Mixing Time: 5 min.

Time of Completion of Mixing: 14:50

Test Method: HKHA/MTS (2002/2004) Specification Part D Clause 2.1.20

### Test Results

Mixing Materials Description	Quantity
Labond Coralatex C106-06	0.18 litre
Cement (Green Island)	3 kg
Sand	9 kg
Tap Water	0.72 litre
--	--

Remarks: --

Checked by: M6 Certified by: Mel Date: 2-6-2004  
(Felix Chan / M.Q. Su / T.K. Cheung)

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# MaterialLab

Report No. : 040123RM40102(1)

Page 1 of 1



## REPORT ON COMPRESSIVE STRENGTH TEST OF MORTAR CUBES

### Information Supplied by Client

Client : Master Proofer Company Limited  
Client Address : --  
Project : Material Testing  
Main Contract No. : -- Client's Ref. : --  
Works Order No. : --  
Serial No. : --  
Sample Description - Product Name : Labond Coralatex C106-06  
Source : --  
Batch No. : --  
Specimen ID. : --

### Laboratory Information

Laboratory Batch ID. : RM40102  
Date Received of Raw Materials: 16-Mar-2004  
Date Cast : 30-Apr-2004  
Date Tested : 07-May-2004  
Age at Test : 7 days  
Method of Compaction : By Hand  
Sample Location : Concrete Laboratory of MaterialLab  
Nominal Size of Specimens : 70.7 x 70.7 x 70.7 mm  
Ambient Conditions - Preparation of the Specimens : 23 °C, 76 % RH  
Testing of the Specimens : 20 °C, 71 % RH  
Curing Conditions : 27±2 °C, 55±5 % RH  
Test Method : HKHA / MTS (2002/2004) Specification Part D Clause 2.1.1

### Test Results

Laboratory Specimen I.D.	Client Specimen I.D.	Dimension (L x W x H) (mm)	Mass (g)	Density (kg/m <sup>3</sup> )	Max. Load (kN)	Comp. Strength (N/mm <sup>2</sup> )	Mode of Failure
RM40102/1A	---	70.7 x 70.6 x 70.8	729.9	2070	159	32.0	Satisfactory
RM40102/1B	---	70.7 x 70.8 x 70.7	706.4	2000	115	23.0	Satisfactory
RM40102/1C	---	70.7 x 70.8 x 70.7	726.8	2050	141	28.0	Satisfactory
Arithmetic mean						28.0	

### Note :

1. The mode of failure of the test specimens refers to the Figure 6 of CS1 : 1990 : Section 12.

Checked by : mb Date : 1-6-04 Certified by : Mau Date : 2-6-2004  
(Felix Ghán / M.Q. Su / T.K. Cheung)

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Report No. : 040123RM40102(4)

Page 1 of 1

## REPORT ON COMPRESSIVE STRENGTH TEST OF MORTAR CUBES

### Information Supplied by Client

Client : Master Proofer Company Limited  
Client Address : --  
Project : Material Testing  
Main Contract No. : -- Client's Ref. : --  
Works Order No. : --  
Serial No. : --  
Sample Description - Product Name : Labond Coralatex C106-06  
Source : --  
Batch No. : --  
Specimen ID. : --

### Laboratory Information

Laboratory Batch ID : RM40102  
Date Received of Raw Materials: 16-Mar-2004  
Date Cast : 30-Apr-2004  
Date Tested : 28-May-2004  
Age at Test : 28 days  
Method of Compaction : By Hand  
Sample Location : Concrete Laboratory of MaterialLab  
Nominal Size of Specimens : 70.7 x 70.7 x 70.7 mm  
Ambient Conditions - Preparation of the Specimens : 23 °C, 76 % RH  
Testing of the Specimens : 20 °C, 72 % RH  
Curing Conditions : 27±2 °C, 55±5 % RH  
Test Method : HKHA / MTS (2002/2004) Specification Part D Clause 2.1.1

### Test Results

Laboratory Specimen I.D.	Client Specimen I.D.	Dimension (L x W x H) (mm)	Mass (g)	Density (kg/m <sup>3</sup> )	Max. Load (kN)	Comp. Strength (N/mm <sup>2</sup> )	Mode of Failure <sup>1</sup>
RM40102/1D	---	70.7 x 70.8 x 70.5	716.2	2030	152	30.0	Satisfactory
RM40102/1E	---	70.7 x 70.7 x 70.6	715.3	2030	146	29.0	Satisfactory
RM40102/1F	---	70.8 x 70.7 x 70.5	729.0	2070	163	33.0	Satisfactory
Arithmetic mean						31.0	

### Note :

1. The mode of failure of the test specimens refers to the Figure 6 of CS1 : 1990 : Section 12.

Checked by : mb Date : 1-6-04 Certified by : [Signature] Date : 2-6-2004  
(Felix Chan / M.Q. Su / T.K. Cheung)

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## MaterialLab

Report No. : 040123RM40102(5)

Page 1 of 1

Client's Ref. : --

### REPORT ON FLEXURAL STRENGTH OF MORTAR

Client : **Master Proofer Company Limited**

Project : **Material Testing**

Location : --

W/I No. : --

Sample Description : - Type : **Labond Coralatex C106-06**  
Source : --  
Batch No. : --

Batch ID : **RM40102**

Nominal Dimension of Specimen : **25 x 25 x 100 mm**

Method of Compaction : **By hand**

Curing Regime : **27 ± 2 °C, 55 ± 5% RH**

Location of Sampling : **Concrete Lab. of MaterialLab**

Date Cast : **30-Apr-2004**

Date Received : **16-Mar-2004**

Date Tested : **28-May-2004**

Age at Test : **28 days**

Test Method : **BS 6319 : Part 3 : 1983**

#### Test Result

Specimen Identification	Dimensions of Failure Area (mm)	Mass of Specimen (g)	Maximum Load (N)	Flexural Strength (N/mm <sup>2</sup> )
RM40102/2D	24.5 x 25.1	126.8	872	6.4
RM40102/2E	24.9 x 25.0	126.7	894	6.4
RM40102/2F	24.5 x 25.2	123.5	775	5.6
			Mean	6.2

Remark : (1) The three test specimens instead of four specimens were tested.

Checked by : MB Certified by : [Signature] Date : 2-6-2004  
(Felix Ghan/M.Q. Su/T.K. Cheung)



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# MaterialLab

Page 1 of 1



Report No.: 040123RM40101

## REPORT ON MIXING OF MORTAR

### Information Supplied by Client

Client: **Master Proofer Company Limited**

Client Address: --

Project: **Material Testing**

Client's Ref.: --

Main Contract No.: --

Works Order No.: --

Serial No.: --

Sample Description: Type : **Labond Coralatex C106-05**  
Source : --  
Batch No. : --

### Laboratory Information

Lab Batch ID.: **RM40101**

Date Received: **16-Mar-2004**

Date of Mixing: **20-Apr-2004**

Sample Location: **Concrete Lab. of MaterialLab**

Ambient Temperature: **22 °C**

Relative Humidity: **76 %**

Time of Start of Mixing: **16:40**

Mixing Time: **5 min.**

Time of Completion of Mixing: **16:45**

Test Method: **HKHA/MTS (2002/2004) Specification Part D Clause 2.1.20**

### Test Results

Mixing Materials Description	Quantity
<b>Labond Coralatex C106-05</b>	<b>0.9 litre</b>
<b>Cement (Green Island)</b>	<b>5.0 kg</b>
<b>Sand</b>	<b>12.5 kg</b>
<b>Tap Water</b>	<b>0.9 litre</b>
--	--

Remarks: --

Checked by :  Certified by :  Date : 8-6-2004  
(Felix Chan / M.Q. Su / T.K. Cheung)

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# MaterialLab



Report No. : 040123RM40101(1)

Page 1 of 1

## REPORT ON COMPRESSIVE STRENGTH TEST OF MORTAR CUBES

### Information Supplied by Client

Client : Master Proofer Company Limited  
Client Address : --  
Project : Material Testing  
Main Contract No. : -- Client's Ref. : --  
Works Order No. : --  
Serial No. : --  
Sample Description - Product Name : Labond Coralatex C106-05  
Source : --  
Batch No. : --  
Specimen ID. : --

### Laboratory Information

Laboratory Batch ID : RM40101  
Date Received of Raw Materials : 16-Mar-2004  
Date Cast : 20-Apr-2004  
Date Tested : 27-Apr-2004  
Age at Test : 7 days  
Method of Compaction : By Hand  
Sample Location : Concrete Laboratory of MaterialLab  
Nominal Size of Specimens : 70.7 x 70.7 x 70.7 mm  
Ambient Conditions - Preparation of the Specimens : 22 °C, 76 % RH  
Testing of the Specimens : 20 °C, 75 % RH  
Curing Conditions : 27±2 °C, 55±5 % RH  
Test Method : HKHA / MTS (2002/2004) Specification Part D Clause 2.1.1

### Test Results

Laboratory Specimen I.D.	Client Specimen I.D.	Dimension (L x W x H) (mm)	Mass (g)	Density (kg/m <sup>3</sup> )	Max. Load (kN)	Comp. Strength (N/mm <sup>2</sup> )	Mode of Failure
RM40101/1A	---	70.6 x 70.7 x 70.8	796.1	2250	313	63.0	Satisfactory
RM40101/1B	---	70.7 x 70.7 x 70.7	797.0	2260	323	65.0	Satisfactory
RM40101/1C	---	70.7 x 70.7 x 70.8	794.5	2250	326	65.0	Satisfactory
Arithmetic mean						64.0	

### Note :

1. The mode of failure of the test specimens refers to the Figure 6 of CS1 : 1990 : Section 12.

Checked by : mb Date : 8-6-04 Certified by : [Signature] Date : 8-6-2004  
(Felix Chan / M.Q. Su / T.K. Cheung)

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# MaterialLab

Report No. : 040123RM40101(2)

Page 1 of 1

Client's Ref. : --

## REPORT ON FLEXURAL STRENGTH OF MORTAR

Client : **Master Proofer Company Limited**

Project : **Material Testing**

Location : --

W/I No. : --

Sample Description : - Type : **Labond Coralatex C106-05**  
Source : --  
Batch No. : --

Batch ID : **RM40101**

Nominal Dimension of Specimen : **25 x 25 x 100 mm**

Method of Compaction : **By hand**

Curing Regime : **27 ± 2 °C, 55 ± 5% RH**

Location of Sampling : **Concrete Lab. of MaterialLab**

Date Cast : **20-Apr-2004**

Date Received : **16-Mar-2004**

Date Tested : **27-Apr-2004**

Age at Test : **7 days**

Test Method : **BS 6319 : Part 3 : 1983 (with modification see remark 1)**

### Test Result

Specimen Identification	Dimensions of Failure Area (mm)	Mass of Specimen (g)	Maximum Load (N)	Flexural Strength (N/mm <sup>2</sup> )
RM40101/2A	24.8 x 25.0	141.7	1748	12.6
RM40101/2B	24.5 x 25.4	142.6	1908	13.6
RM40101/2C	24.5 x 25.1	141.9	1657	12.0
			<b>Mean</b>	<b>12.8</b>

Remark : (1) The three test specimens instead of four specimens were tested.

Checked by : M6 Certified by : M6 Date : 8-6-2004  
(Felix Chan/M.Q. Su/T.K. Cheung)



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# MaterialLab



Report No. : 040123RM40101(3)

Page 1 of 1

## REPORT ON COMPRESSIVE STRENGTH TEST OF MORTAR CUBES

### Information Supplied by Client

Client : **Master Proofer Company Limited**  
Client Address : --  
Project : **Material Testing**  
Main Contract No. : -- Client's Ref. : --  
Works Order No. : --  
Serial No. : --  
Sample Description - Product Name : **Labond Coralatex C106-05**  
Source : --  
Batch No. : --  
Specimen ID. : --

### Laboratory Information

Laboratory Batch ID : **RM40101**  
Date Received of Raw Materials: **16-Mar-2004**  
Date Cast : **20-Apr-2004**  
Date Tested : **18-May-2004**  
Age at Test : **28 days**  
Method of Compaction : **By Hand**  
Sample Location : **Concrete Laboratory of MaterialLab**  
Nominal Size of Specimens : **70.7 x 70.7 x 70.7 mm**  
Ambient Conditions - Preparation of the Specimens : **22 °C, 76 % RH**  
Testing of the Specimens : **21 °C, 71 % RH**  
Curing Conditions : **27±2 °C, 55±5 % RH**  
Test Method : **HKHA / MTS (2002/2004) Specification Part D Clause 2.1.1**

### Test Results

Laboratory Specimen I.D.	Client Specimen I.D.	Dimension (L x W x H) (mm)	Mass (g)	Density (kg/m <sup>3</sup> )	Max. Load (kN)	Comp. Strength (N/mm <sup>2</sup> )	Mode of Failure ' '
RM40101/1D	---	70.8 x 70.8 x 71.1	789.3	2210	357	71.0	Satisfactory
RM40101/1E	---	70.8 x 70.8 x 71.0	786.2	2210	358	72.0	Satisfactory
RM40101/1F	---	70.7 x 70.8 x 71.0	780.4	2200	345	69.0	Satisfactory
Arithmetic mean						71.0	

### Note :

1. The mode of failure of the test specimens refers to the Figure 6 of CS1 : 1990 : Section 12.

Checked by: mg Date: 8-6-04 Certified by: [Signature] Date: 8-6-2004  
(Felix Chan / M.Q. Su / T.K. Cheung)

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# MaterialLab

Report No. : 040123RM40101(4)

Page 1 of 1

Client's Ref. : --

## REPORT ON FLEXURAL STRENGTH OF MORTAR

Client : **Master Proofer Company Limited**

Project : **Material Testing**

Location : --

W/I No. : --

Sample Description : - Type : **Labond Coralalex C106-05**  
Source : --  
Batch No. : --

Batch ID : **RM40101**

Nominal Dimension of Specimen : **25 x 25 x 100 mm**

Method of Compaction : **By hand**

Curing Regime : **27 ± 2 °C, 55 ± 5% RH**

Location of Sampling : **Concrete Lab. of MaterialLab**

Date Cast : **20-Apr-2004**

Date Received : **16-Mar-2004**

Date Tested : **18-May-2004**

Age at Test : **28 days**

Test Method : **BS 6319 : Part 3 : 1983 (with modification see remark 1)**

### Test Result

Specimen Identification	Dimensions of Failure Area (mm)	Mass of Specimen (g)	Maximum Load (N)	Flexural Strength (N/mm <sup>2</sup> )
RM40101/2D	24.5 x 25.3	143.9	2288	16.4
RM40101/2E	24.7 x 25.7	149.1	2155	14.8
RM40101/2F	24.6 x 25.6	145.6	2270	15.8
			<b>Mean</b>	<b>15.6</b>

Remark : (1) The three test specimens instead of four specimens were tested.

Checked by :                      Certified by :                      Date : 8-6-2004

(Felix Chan/M.Q. Su/T.K. Cheding)



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# MaterialLab

Report No. : 040123RM40101(5)

Your ref. : --

Page 1 of 1

## REPORT FOR DRYING SHRINKAGE OF MORTAR

### INFORMATION SUPPLIED BY CLIENT

Client : Master Proofer Company Limited

Project : Material Testing

Sample Description-

Type : Labond Coralatex C106-05

Source : -

Batch No. : -

### LABORATORY INFORMATION

Sampling Location : Concrete Laboratory of MaterialLab

Batch No. : RM40101

Nominal size of specimen : 25 x 25 x 285 mm

Date of mixing : 20-Apr-2004

Relative humidity during mixing : 76%RH

Temperature during mixing : 22°C

Time of casting : 16:46

Date of casting : 20-Apr-2004

Time of demoulding : 16:50

Date of demoulding : 21-Apr-2004

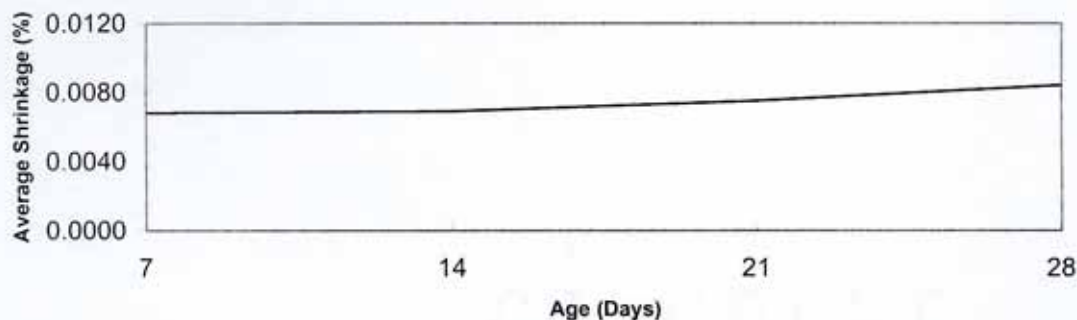
Time of the specimens removed from water : 16:55

Date of the specimens removed from water : 27-Apr-2004

Test Method : ASTM C596-89 with the following modifications : moist storage condition was maintained at  $20 \pm 1$  °C instead of  $23 \pm 1.7$  °C and the drying room condition was at  $27 \pm 2$  °C and  $55 \pm 5$  % R.H. , instead of  $23 \pm 1.7$  °C and  $50 \pm 4$  % R.H.

### TEST RESULTS

Date	Age (Days)	Average shrinkage of specimen as percent of effect gauge length (%)
27-Apr-04	7	0.0068
04-May-04	14	0.0069
11-May-04	21	0.0075
18-May-04	28	0.0084



Remark : --

Checked By : MB Date : 8-6-04 Certified By : [Signature] Date : 8-6-2004

M. Q. Su

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**MaterialLab**

Client Ref. : --  
Report No. : 040123ST40744

Page 1 of 1

**REPORT ON WATER ABSORPTION OF CEMENT MORTAR COAT****Information Supplied by Client**

Client : Master Proofer Company Limited  
Project : Material Testing  
Sample Description : Labond Coralatex C106-05  
Mixing Ratio : Labond Coralatex C106-05 : Cement (Green Island) : Sand :  
Tap Water = 0.9L : 5.0kg : 12.5kg : 0.9L



**Laboratory Information**

Lab. Sample I.D. : ST40744/1-3  
Date Received : 16 March 2004  
Date Cast : 20 April 2004  
Date Test Started : 18 May 2004  
Date Test Completed : 20 May 2004  
Test Method : ASTM D570-81 (By 24 hours immersion)

**Test Results**

Lab. Sample I.D.	Mass of Sample		Water Absorption (%)
	After Dried in Oven for 24 h at 50°C (g)	After Immersion in Water for 24h at 23°C (g)	
ST40744/1	26.962	27.718	2.80
ST40744/2	28.962	29.718	2.61
ST40744/3	27.698	28.469	2.78
		Average	2.73

Remarks : 1.) The test results relate only to the samples tested.

Checked by :  Date : 27-5-2004 Certified by :  Date : 27/5/04  
Gary Winstanley

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## MaterialLab

Report No.: 040123RM40103

Page 1 of 1

## REPORT ON MIXING OF CONCRETE

### Information Supplied by Client

Client: **Master Proofer Company Limited**

Client Address: --

Project: **Material Testing**

Client's Ref.: --

Main Contract No.: --

Works Order No.: --

Serial No.: --

Sample Description: Type : **Labond Coralatex C106-07**  
Source : --  
Batch No. : --

### Laboratory Information

Lab Batch ID.: **RM40103**

Date Received: **16-Mar-2004**

Date of Mixing: **03-May-2004**

Sample Location: **Concrete Lab. of MaterialLab**

Ambient Temperature: **23 °C**

Relative Humidity: **76 %**

Time of Start of Mixing: **16:00**

Mixing Time: **5 min.**

Time of Completion of Mixing: **16:05**

Test Method: **Ref. HKHA/MTS (2002/2004) Specification Part D Clause 2.1.20**

### Test Results

Mixing Materials Description	Quantity
<b>Labond Coralatex C106-07</b>	<b>0.78 litre</b>
<b>Cement (Green Island)</b>	<b>13 kg</b>
<b>Sand</b>	<b>26 kg</b>
<b>10mm Agg.</b>	<b>26 kg</b>
<b>Tap Water</b>	<b>3.9 litre</b>

Remarks: --

Checked by:  Certified by:  Date: 8-6-2004  
(Felix Chan / M.Q. Su / T.K. Cheung)

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## MaterialLab

Report No. : 040123RM40103(1)

Page 1 of 1

### REPORT ON COMPRESSIVE STRENGTH TEST OF CONCRETE CUBES

#### Information Supplied by Client

Client : **Master Proofer Company Limited**  
Client Address : --  
Project : **Material Testing**  
Main Contract No. : -- Client's Ref. : --  
Works Order No. : --  
Serial No. : --  
Sample Description - Product Name : **Labond Coralatex C106-07**  
Source : --  
Batch No. : --  
Specimen ID. : --

#### Laboratory Information

Laboratory Batch ID. : **RM40103**  
Date Received of Raw Materials : **16-Mar-2004**  
Date Cast : **03-May-2004**  
Date Tested : **10-May-2004**  
Age at Test : **7 days**  
Method of Compaction : **By Hand**  
Sample Location : **Concrete Laboratory of MaterialLab**  
Nominal Size of Specimens : **100 x 100 x 100 mm**  
Ambient Conditions - Preparation of the Specimens : **23 °C, 76 % RH**  
Testing of the Specimens : **20 °C, 68 % RH**  
Curing Conditions : **27±2 °C, 55±5 % RH**  
Test Method : **Ref. HKHA / MTS (2002/2004) Specification Part D Clause 2.1.1**

#### Test Results

Laboratory Specimen I.D.	Client Specimen I.D.	Dimension (L x W x H) (mm)	Mass (g)	Density (kg/m <sup>3</sup> )	Max. Load (kN)	Comp. Strength (N/mm <sup>2</sup> )	Mode of Failure <sup>1</sup>
RM40103/1A	---	100.1 x 100.1 x 100.5	2288.3	2270	552	55.0	Satisfactory
RM40103/1B	---	100.2 x 100.1 x 100.3	2265.0	2250	534	53.0	Satisfactory
RM40103/1C	---	100.1 x 100.2 x 100.4	2305.1	2290	611	61.0	Satisfactory
Arithmetic mean						56.0	

#### Note :

1. The mode of failure of the test specimens refers to the Figure 6 of CS1 : 1990 : Section 12.

Checked by: MLB Date: 7-6-04 Certified by: [Signature] Date: 8-6-2004  
(Felix Chan / M.Q. Su / T.K. Cheung)





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## MaterialLab

Report No. : 040123RM40103(3)

Page 1 of 1

### REPORT ON COMPRESSIVE STRENGTH TEST OF CONCRETE CUBES

#### Information Supplied by Client

Client : **Master Proofer Company Limited**  
Client Address : --  
Project : **Material Testing**  
Main Contract No. : -- Client's Ref. : --  
Works Order No. : --  
Serial No. : --  
Sample Description - Product Name : **Labond Coralatex C106-07**  
Source : --  
Batch No. : --  
Specimen ID. : --

#### Laboratory Information

Laboratory Batch ID. : **RM40103**  
Date Received of Raw Materials : **16-Mar-2004**  
Date Cast : **03-May-2004**  
Date Tested : **31-May-2004**  
Age at Test : **28 days**  
Method of Compaction : **By Hand**  
Sample Location : **Concrete Laboratory of MaterialLab**  
Nominal Size of Specimens : **100 x 100 x 100 mm**  
Ambient Conditions - Preparation of the Specimens : **23 °C, 76 % RH**  
Testing of the Specimens : **20 °C, 74 % RH**  
Curing Conditions : **27±2 °C, 55±5 % RH**  
Test Method : **Ref. HKHA / MTS (2002/2004) Specification Part D Clause 2.1.1**

#### Test Results

Laboratory Specimen I.D.	Client Specimen I.D.	Dimension (L x W x H) (mm)	Mass (g)	Density (kg/m <sup>3</sup> )	Max. Load (kN)	Comp. Strength (N/mm <sup>2</sup> )	Mode of Failure
RM40103/1D	---	100.1 x 100.0 x 100.1	2292.0	2290	710	71.0	Satisfactory
RM40103/1E	---	100.0 x 100.0 x 100.3	2306.2	2300	717	72.0	Satisfactory
RM40103/1F	---	100.1 x 100.1 x 100.2	2302.1	2290	664	66.0	Satisfactory
Arithmetic mean						70.0	

#### Note :

1. The mode of failure of the test specimens refers to the Figure 6 of CS1 : 1990 : Section 12.

Checked by : mlc Date : 7-6-04 Certified by : [Signature] Date : 8-6-2004  
(Felix Chan / M.Q. Su / T.K. Cheung)









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# MaterialLab

Report No. : 040123RM40104(1)

Page 1 of 1



## REPORT ON COMPRESSIVE STRENGTH TEST OF MORTAR CUBES

### Information Supplied by Client

Client : Master Proofer Company Limited  
Client Address : --  
Project : Material Testing  
Main Contract No. : -- Client's Ref. : --  
Works Order No. : --  
Serial No. : --  
Sample Description - Product Name : Labond Coralatex C106-A  
Source : --  
Batch No. : --  
Specimen ID. : --

### Laboratory Information

Laboratory Batch ID : RM40104  
Date Received of Raw Materials : 16-Mar-2004  
Date Cast : 26-Apr-2004  
Date Tested : 03-May-2004  
Age at Test : 7 days  
Method of Compaction : By Hand  
Sample Location : Concrete Laboratory of MaterialLab  
Nominal Size of Specimens : 70.7 x 70.7 x 70.7 mm  
Ambient Conditions - Preparation of the Specimens : 22 °C, 80 % RH  
Testing of the Specimens : 20 °C, 75 % RH  
Curing Conditions : 27±2 °C, 55±5 % RH  
Test Method : HKHA / MTS (2002/2004) Specification Part D Clause 2.1.1

### Test Results

Laboratory Specimen I.D.	Client Specimen I.D.	Dimension (L x W x H) (mm)	Mass (g)	Density (kg/m <sup>3</sup> )	Max. Load (kN)	Comp. Strength (N/mm <sup>2</sup> )	Mode of Failure *
RM40104/1A	---	70.7 x 70.6 x 70.8	625.3	1770	104	21.0	Satisfactory
RM40104/1B	---	70.8 x 70.7 x 70.7	626.6	1770	103	21.0	Satisfactory
RM40104/1C	---	70.8 x 70.6 x 70.7	621.5	1760	104	21.0	Satisfactory
Arithmetic mean						21.0	

### Note :

1. The mode of failure of the test specimens refers to the Figure 6 of CS1 : 1990 : Section 12.

Checked by : mlb Date : 7-6-04 Certified by : Mat Date : 9-6-2004  
(Felix Chan / M.Q. Su / T.K. Cheung)

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# FUGRO TECHNICAL SERVICES LIMITED

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# MaterialLab

Report No. : 040123RM40104(3)

Page 1 of 1



## REPORT ON COMPRESSIVE STRENGTH TEST OF MORTAR CUBES

### Information Supplied by Client

Client : **Master Proofer Company Limited**  
Client Address : --  
Project : **Material Testing**  
Main Contract No. : -- Client's Ref. : --  
Works Order No. : --  
Serial No. : --  
Sample Description - Product Name : **Labond Coralatex C106-A**  
Source : --  
Batch No. : --  
Specimen ID. : --

### Laboratory Information

Laboratory Batch ID. : **RM40104**  
Date Received of Raw Materials: **16-Mar-2004**  
Date Cast : **26-Apr-2004**  
Date Tested : **24-May-2004**  
Age at Test : **28 days**  
Method of Compaction : **By Hand**  
Sample Location : **Concrete Laboratory of MaterialLab**  
Nominal Size of Specimens : **70.7 x 70.7 x 70.7 mm**  
Ambient Conditions - Preparation of the Specimens : **22 °C, 80 % RH**  
Testing of the Specimens : **20 °C, 72 % RH**  
Curing Conditions : **27±2 °C, 55±5 % RH**  
Test Method : **HKHA / MTS (2002/2004) Specification Part D Clause 2.1.1**

### Test Results

Laboratory Specimen I.D.	Client Specimen I.D.	Dimension (L x W x H) (mm)	Mass (g)	Density (kg/m <sup>3</sup> )	Max. Load (kN)	Comp. Strength (N/mm <sup>2</sup> )	Mode of Failure <sup>1</sup>
RM40104/1D	---	70.7 x 70.7 x 70.5	622.0	1770	174	35.0	Satisfactory
RM40104/1E	---	70.8 x 70.8 x 70.0	628.1	1790	176	35.0	Satisfactory
RM40104/1F	---	70.7 x 70.7 x 70.2	630.1	1800	172	34.0	Satisfactory
Arithmetic mean						35.0	

### Note :

1. The mode of failure of the test specimens refers to the Figure 6 of CS1 : 1990 : Section 12.

Checked by : mb Date : 7-6-04 Certified by : [Signature] Date : 9-6-2004  
(Felix Chan / M.Q. Su / T.K. Cheung)

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# MaterialLab

Report No. : 040123RM40104(5)

Your ref. : --

Page 1 of 1

## REPORT FOR DRYING SHRINKAGE OF MORTAR

### INFORMATION SUPPLIED BY CLIENT

Client : Master Proofer Company Limited

Project : Material Testing

Sample Description-

Type : Labond Coralatex C106-A

Source : -

Batch No. : -

### LABORATORY INFORMATION

Sampling Location : Concrete Laboratory of MaterialLab

Batch No. : RM40104

Nominal size of specimen : 25 x 25 x 285 mm

Date of mixing : 26-Apr-2004

Relative humidity during mixing : 80%RH

Temperature during mixing : 22°C

Time of casting : 15:45

Date of casting : 26-Apr-2004

Time of demoulding : 15:50

Date of demoulding : 27-Apr-2004

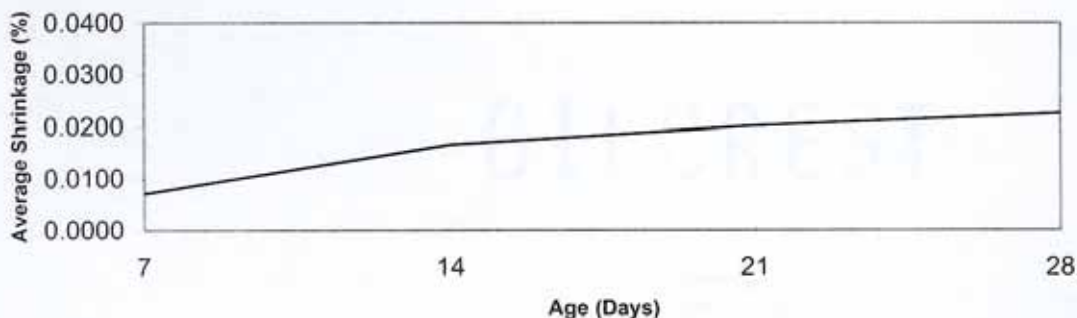
Time of the specimens removed from water : 15:55

Date of the specimens removed from water : 28-Apr-2004

Test Method : ASTM C596-89 with the following modifications : moist storage condition was maintained at  $20 \pm 1$  °C instead of  $23 \pm 1.7$  °C and the drying room condition was at  $27 \pm 2$  °C and  $55 \pm 5$  % R.H. , instead of  $23 \pm 1.7$  °C and  $50 \pm 4$  % R.H.

### TEST RESULTS

Date	Age (Days)	Average shrinkage of specimen as percent of effect gauge length (%)
03-May-04	7	0.0071
10-May-04	14	0.0165
17-May-04	21	0.0201
24-May-04	28	0.0225



Remark : --

Checked By : mb Date : 8-6-04 Certified By : M. Q. Su Date : 9-6-04

# FUGRO TECHNICAL SERVICES LIMITED

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# MaterialLab

Report No. : 040123RM40104(6)

Page 1 of 3

## Report on Pull-off Test

Test method used : In-house Method Based on HKHA/MTS (02/04) Specification, Part D,  
Clause 2.1.15 (Method 1)

### Information Supplied by Client

Client : Master Proofer Company Limited

Project : Material Testing

Location : --

Client sample ID : --

Type of the testing material : Labond Coralutex C106-A Class : -

Age of the testing material at the time of pull-off test : 28 days

### Laboratory Information

Description of pull-off tester : Dyna Z15

Description of dolly : Aluminium Dolly of 75 mm Diameter x 30 mm Thickness

Type of adhesive : Fast-set 4 Minutes Clear Epoxy

Date of testing : 24-May-2004

Tested by : T.W. Wong

### Test Results

Laboratory sample ID : RM40104/3A

Measured Core diameter at the rupture face (mm) : 74.3

Core length after pull-off test (mm) : Max.: 20.0 Min.: 15.0

Thickness of the testing material after pull-off test (mm) : Max.: 15.0 Min.: 15.0

Failure load, F (N) : 9800

Bond strength (N/mm<sup>2</sup>) : 2.3

Type of failure : 15% of failure plane was mortar failure.

85% of failure plane was concrete substrate failure.

Remark : The accuracy of the pull-off tester is within  $\pm 4\%$  of the measured load in the range from  
1.2 kN to 16 kN.

Checked by : M6 Date : 3-6-04 Certified by : [Signature] Date : 9-6-2004  
(M.Q. Su / T.K. Cheung)



# FUGRO TECHNICAL SERVICES LIMITED

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## MaterialLab

Report No. : 040123RM40104(6)

Page 2 of 3

### Report on Pull-off Test

Test method used : In-house Method Based on HKHA/MTS (02/04) Specification, Part D,  
Clause 2.1.15 (Method 1)

#### Information Supplied by Client

Client : Master Proofer Company Limited

Project : Material Testing

Location : --

Client sample ID : --

Type of the testing material : Labond Coralatex C106-A Class : -

Age of the testing material at the time of pull-off test : 28 days

#### Laboratory Information

Description of pull-off tester : Dyna Z15

Description of dolly : Aluminium Dolly of 75 mm Diameter x 30 mm Thickness

Type of adhesive : Fast-set 4 Minutes Clear Epoxy

Date of testing : 24-May-2004

Tested by : T.W. Wong

#### Test Results

Laboratory sample ID : RM40104/3B

Measured Core diameter at the rupture face (mm) : 74.4

Core length after pull-off test (mm) : Max.: 25.0 Min.: 15.0

Thickness of the testing material after pull-off test (mm) : Max.: 15.0 Min.: 15.0

Failure load, F (N) : 10400

Bond strength (N/mm<sup>2</sup>) : 2.4

Type of failure : 100% of failure plane was concrete substrate failure.

Remark : The accuracy of the pull-off tester is within  $\pm 4\%$  of the measured load in the range from  
1.2 kN to 16 kN.

Checked by : MB Date : 9-6-04 Certified by : [Signature] Date : 9-6-2004

(M.Q. Su / T.K. Cheung)

## FUGRO TECHNICAL SERVICES LIMITED

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# MaterialLab

Report No. : 040123RM40104(6)

Page 3 of 3

### Report on Pull-off Test

Test method used : In-house Method Based on HKHA/MTS (02/04) Specification, Part D,  
Clause 2.1.15 (Method 1)

#### Information Supplied by Client

Client : Master Proofer Company Limited

Project : Material Testing

Location : --

Client sample ID : --

Type of the testing material : Labond Coralatex C106-A Class : -

Age of the testing material at the time of pull-off test : 28 days

#### Laboratory Information

Description of pull-off tester : Dyna Z15

Description of dolly : Aluminium Dolly of 75 mm Diameter x 30 mm Thickness

Type of adhesive : Fast-set 4 Minutes Clear Epoxy

Date of testing : 24-May-2004

Tested by : T.W. Wong

#### Test Results

Laboratory sample ID : RM40104/3C

Measured Core diameter at the rupture face (mm) : 74.3

Core length after pull-off test (mm) : Max.: 23.0 Min.: 15.0

Thickness of the testing material after pull-off test (mm) : Max.: 15.0 Min.: 15.0

Failure load, F (N) : 11000

Bond strength (N/mm<sup>2</sup>) : 2.5

Type of failure : 100% of failure plane was concrete substrate failure.

Remark : The accuracy of the pull-off tester is within  $\pm 4\%$  of the measured load in the range from  
1.2 kN to 16 kN.

Checked by : mb Date : 9-6-04 Certified by : [Signature] Date : 9-6-2004  
(M.Q. Su / T.K. Cheung)



**FUGRO TECHNICAL SERVICES LIMITED**

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**MateriaLab**

Client Ref. : --  
Report No. : 040123ST40769

Page 1 of 1

**REPORT ON WATER ABSORPTION OF CEMENT MORTAR COAT****Information Supplied by Client**

Client : Master Proofer Company Limited  
Project : Material Testing  
Sample Description : Flexible Cementitious Waterproofing Coating  
Mixing Ratio : Power : Resin = 15.7kg : 4.3 kg



**Laboratory Information**

Lab. Sample I.D. : ST40769/1-3  
Date Received : 16 March 2004  
Date Cast : 16 March 2004  
Date Test Started : 20 May 2004  
Date Test Completed : 22 May 2004  
Test Method : ASTM D570-81 (By 24 hours immersion)

**Test Results**

Lab. Sample I.D.	Mass of Sample		Water Absorption (%)
	After Dried in Oven for 24 h at 50°C (g)	After Immersion in Water for 24h at 23°C (g)	
ST40769/1	18.060	18.412	1.95
ST40769/2	20.177	20.607	2.13
ST40769/3	21.122	21.574	2.14
		Average	2.07

Remarks : 1.) The test results relate only to the samples tested.

Checked by :  Date : 27-5-2004 Certified by :  Date : 27/5/04  
Gary Winstanley

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NoW312-0167-2003



# 检 验 报 告

## TEST REPORT



广州市产品质量监督检验所  
Guangzhou Products Quality Supervision & Testing Institute



## 注 意 事 项

- 1、报告无检验报告专用章或无检验单位公章无效。
- 2、复制报告书无效。
- 3、报告无编制、批准人签章无效。
- 4、报告涂改无效。
- 5、对检验报告若有异议，请于收到报告之日起十五日内向检验单位提出，逾期不予受理。
- 6、一般情况委托检验数据仅对来样有效。

地址：广州市八旗二马路38号

邮政编码：510110

网址：[www.qmark.com.cn](http://www.qmark.com.cn)

电话：业务办公室：83196468 83390192 83191007

技术质保室：83302282（申诉电话）

化验室：83354087 83390290 83390395 电器室：83304827 83398701

机械包装室：83354114 83304831 83398676 胶革室：83334528 83398390

环保产品检验室：83384976

信息产品检验室：85525412 85525380

广州市产品质量监督检验所  
检 验 报 告

第 1 页 共 3 页

产 品 名 称 (型号/规格/商标/等级)	LABond高效能特殊水泥添加剂	生产日期 编号或批号	---
	立康牌 C106	抽送样单号	170646
受检单位	---	检验类别	评定检验
委托单位	香港万宝行国际有限公司	样品数量	一组
生产单位	香港万宝行国际有限公司	抽样基数	---
抽样地点	---	抽(送)样日期	2003年12月22日
来样方式	委托单位送样	报告编制日期	2004年02月03日
检验依据	GB/T1034-1998 《塑料吸水性试验方法》、GB/T 17517-1998 《胶粘剂压缩剪切强度试验方法》， 参照GB/T 17219-1998 《生活饮用水输配水设备安全性评价标准》		
样品状况	正常		
检测环境说明	按标准要求		
检 验  结 论	<p>检验项目第3~21项符合参照的GB/T 17219-1998标准要求。</p> <p style="text-align: center;">2004年02月03日</p> <p style="text-align: center;">复印报告未盖红色“检验专用章”无效。</p>		
备 注	-----		

批准:

郑艳明

编制:

孙世斌



广州市产品质量监督检验所  
检 验 结 果

编 号： 170646

第 2 页 共 3 页

序号	检测项目	单 位	检测依据或标准要求	检测结果	单项评价
			—	—	
1	吸水率	%	GB/T1034-1998 《塑料吸水性试验方法》	纯水泥块：18.8 C106：4.9	---
2	粘结强度	MPa	GB/T 17517-1998 《胶粘剂压缩剪切强度试验方法》	纯水泥块：0.51 C106：0.71	---

批准：

郑艳明

编制：

孙世斌

# 广州市产品质量监督检验所

## 检 验 结 果

编号: 170646

第 3 页 共 3 页

序号	检验项目	单 位	检测依据或标准要求	检测结果	单项评价
			与饮用水接触的防护材料的卫生要求	—	
3	色	度	不增加色度	不增加色度	符合
4	浑浊度	度	增加量 $\leq 0.5$	增加量 $< 0.5$	符合
5	臭和味	—	无异臭、异味	无异臭、异味	符合
6	挥发酚(以苯酚计)	mg/L	$\leq 0.002$	$< 0.002$	符合
7	砷	mg/L	$\leq 0.005$	$< 0.005$	符合
8	汞	mg/L	$\leq 0.001$	$< 0.001$	符合
9	铬(六价)	mg/L	$\leq 0.005$	$< 0.005$	符合
10	镉	mg/L	$\leq 0.001$	$< 0.001$	符合
11	铅	mg/L	$\leq 0.005$	$< 0.005$	符合
12	银	mg/L	$\leq 0.005$	$< 0.005$	符合
13	硝酸盐(以氮计)	mg/L	$\leq 2$	$< 2$	符合
14	氯仿	$\mu\text{g/L}$	$\leq 6$	$< 6$	符合
15	四氯化碳	$\mu\text{g/L}$	$\leq 0.3$	0.1	符合
16	苯并「a」芘	$\mu\text{g/L}$	$\leq 0.001$	未检出	符合
17	氟化物	mg/L	$\leq 0.1$	$< 0.1$	符合
18	锌	mg/L	$\leq 0.1$	$< 0.1$	符合
19	铁	mg/L	$\leq 0.02$	$< 0.02$	符合
20	铜	mg/L	$\leq 0.1$	$< 0.1$	符合
21	锰	mg/L	$\leq 0.01$	$< 0.01$	符合

批准:

郑艳明

编制:

孙世斌

## 广州市产品质量监督检验所

全国工业产品生产许可证办公室危险化学品包装物、容器产品生产许可证审查部

国家包装产品质量监督检验中心（广州）

广东省质量技术监督计算机及网络产品质量监督检验站

广东省技术监督日用化工产品质量监督检验站

广东省技术监督包装产品质量监督检验站

广东省鞋类产品质量监督检验站

广东省钟表产品质量监督检验站

本所是政府依法设立和授权的第三方综合性产品质量监督检验机构，设立在本所的检验机构还有：国家包装产品质量监督检验中心（广州）、全国工业产品生产许可证办公室危险化学品包装物、容器产品生产许可证审查部、广东省技术监督日用化工产品质量监督检验站、广东省技术监督鞋类产品质量监督检验站、广东省技术监督钟表产品质量监督检验站、广东省技术监督包装产品质量监督检验站、广东省质量技术监督计算机及网络产品质量监督检验站。1997年本所（中心）通过了中国实验室国家认可委员会（CNACL）的“三合一”计量认证和审查验收，2002年通过CNAL的复评审并通过亚太实验室认可合作组织（APLAC）、取得了美国、日本、澳大利亚、香港、台湾、新加坡、新西兰等十多个国家和地区的实验室认可组织的互认。1999年4月经广东省质量技术监督局按照ISO/IEC导则25全面进行了实验室的计量认证和审查验收的复查，确认具备1033种（类）产品的检测能力。

本所（中心）技术力量雄厚，拥有原值三千多万的大批先进检测设备，检测能力齐全。具体的检测类别有：（1）金属、纸、玻璃、塑料包装宣传品和印刷品；（2）各类食品和添加剂、化妆品、洗涤用品、石油和化工产品、金属材料、装饰、装修材料、环保产品检测等；（3）通用和日用机械、钟表、日用五金、家具，燃气和厨房用具、冶金建材产品、铝合金门窗、金银首饰、珠宝玉石、文体用品等；（4）家用电器、照明电器、汽车电器、医疗电器、低压电器、变压器、中小型电机、电子电器和广播电视、电工材料、计算机与网络产品测试等；（5）橡胶、塑料、塑钢门窗、皮革制品、各种鞋类、胶粘制品等。目前我所每年承担约3万批次各类产品、各种形式的检验，为有关主管部门和企业提供大量的质量信息以及相关的技术咨询和质量鉴定、质量仲裁服务。

本所质量保证体系完善，检测结果科学、公正、准确。多次国内外检测机构检测能力比对试验说明，本所的检测结果在国内外均是一流的。本所出具的检验报告不但成为法院、质量技术监督部门、工商行政管理部门等作出司法裁决、行政处罚或保险理赔的技术支撑，同时也成为企业进行贸易和内部质量控制的技术依据。





