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தேசிய கட்டிட ஆராய்ச்சி நிறுவனம்
NATIONAL BUILDING RESEARCH ORGANISATION



99/1, ජාවත්ත පාර, කොළඹ 5. 99/1, ஜாவத்தை வீதி, கொழும்பு 5. 99/1, Jawatta Road, Colombo 5.

දුරකථන } 011-2588946
தொலைபே } 011-2503431
Telephone } 011-2500354

අධ්‍යක්ෂ ජනරාල් }
பணிப்பாளர் நாயகம் } 011-2505149
Director General }

ෆැක්ස් }
தொலைநகல் } 011-2502611
Fax }

වෙබ් අඩවිය }
இணையத்தளம் } www.nbro.gov.lk
Website }

ඊමේල් }
மின்னஞ்சல் } info@nbro.gov.lk
E-mail }

මගේ අංකය }
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28.08.2020

**DETERMINATION OF COMPRESSIVE STRENGTH OF
MORTAR MIX**

REPORT NO. : M/20/0122

CLIENT : GB COATING (PVT) LTD
NO: 468/1B, RAJASINGHE MAWATHA,
MULLERIYAWA.

PRODUCT NAME : LUXUS SAND BLAST FINISH

REFERENCE OF REQUISITION : Letter received on 24th July 2020

*The test results reported herein
relate to the specimens submitted
to N.B.R.O. and do not certify the
quality of a product in general*

NATIONAL BUILDING RESEARCH ORGANISATION
BUILDING MATERIALS RESEARCH & TESTING DIVISION
NO. 99/1 JAWATTA ROAD,
COLOMBO 05.

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**DETERMINATION OF COMPRESSIVE STRENGTH OF
MORTAR MIX**

REPORT NO. : M/20/122

01. SAMPLES RECEIVED ON : 24.07.2020
02. DESCRIPTION OF SAMPLES : (a) Nos. received : 01 bag
RECEIVED (b) Product Name* : Luxus Sand Blast Finish



(*as intimated by the client)

03. THE PRE-TESTING STAGE : (a) Condition of bag : Un-Opened
(b) Quantity of each bag : 20 kg
04. TEST REQUESTED : Determination of compressive strength
i. 1 day
ii. 7 day
iii. 28 day
05. TESTS CARRIED OUT : (a) BS 4551 : 1980
IN ACCORDANCE WITH Methods of testing Mortars, screeds and plasters
(b) BS 8204-1:2003 Screeds, bases and in situ floorings.
Concrete bases and cementitious levelling screeds to
receive floorings - Code of practice (+A1:2009)
06. TEST RESULTS : Results of 1 day, 7 day & 28 day compressive strength test
are given in page no.03.

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**DETERMINATION OF COMPRESSIVE STRENGTH OF
MORTAR MIX**

REPORT NO. : M/20/122

Table 1: Luxus Sand Blast Finish compressive strength test results

Test parameter	Test Results
Compressive strength (N/mm ²)	
i. 1 day	5.5, 5.9, 6.3 Avg.5.9
ii. 7 day	11.3, 10.7, 10.5 Avg.10.9
iii. 28 day	14.7, 15.3, 16.3 Avg.15.4

Note : 70.7mm x 70.7mm x 70.7mm samples were cast with the ratio for Luxus Sand blast finish to water as 1kg to 165g as requested by the client.

Testing Officer: Sameera
W.D.D. Sameera
MA - Technical

Checked by: Randika
S.R. Randika
Materials Engineer

Certified by: S.S.K. Muthurathne
Eng.(Mrs.) S.S.K. Muthurathne
Director
Building Materials Research & Testing Division

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DETERMINATION OF COMPRESSIVE STRENGTH OF MORTAR MIX

REPORT NO. : M/20/122

FAILURE PATTERNS OF TESTED SAMPLES



Figure 01: Samples tested at 1 day



Figure 02: Samples tested at 7 day

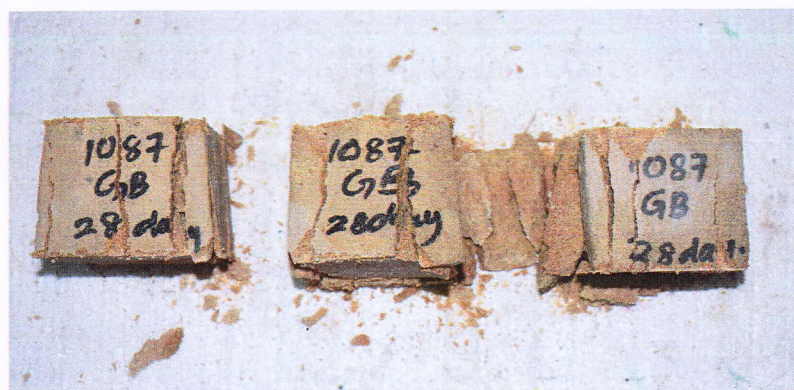


Figure 03: Samples tested at 28 day