

අභ්‍යන්තර ආරක්ෂක, ස්වදේශ කටයුතු හා ආපදා කළමනාකරණ රාජ්‍ය අමාත්‍යාංශය  
உள்ளகப் பாதுகாப்பு, உள்நாட்டிலுங்கள் மற்றும் அனர்த்த முகாமைத்துவ இராஜாங்க அமைச்சு  
State Ministry of Internal Security, Home Affairs and Disaster Management



**ජාතික ගොඩනැගිලි පර්යේෂණ සංවිධානය**  
**தேசிய கட்டிட ஆராய்ச்சி நிறுவனம்**  
**NATIONAL BUILDING RESEARCH ORGANISATION**



99/1, ජාවට්ටා පාර, කොළඹ 5. 99/1, ஜாவட்டை 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 }

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

මගේ අංකය }  
எனது இல. }  
Our Ref. }

ඔබේ අංකය }  
உமது இல. }  
Your Ref. }

දිනය }  
திகதி }  
Date }

202420 1476

11.11.2020

**DETERMINATION OF TENSILE PULL OFF STRENGTH TEST OF**  
**LUXES GRANULAR FINISH PRODUCT**

REPORT NO. : M/20/162  
(Reference of Requisition: Letter received on 08<sup>th</sup> September 2020)

PRODUCT NAME : LUXES GRANULAR FINISH – BLACK

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

ISSUED BY : BUILDING MATERIALS RESEARCH AND  
TESTING DIVISION  
NATIONAL BUILDING RESEARCH ORGANISATION  
99/1, JAWATTA ROAD, COLOMBO 05.

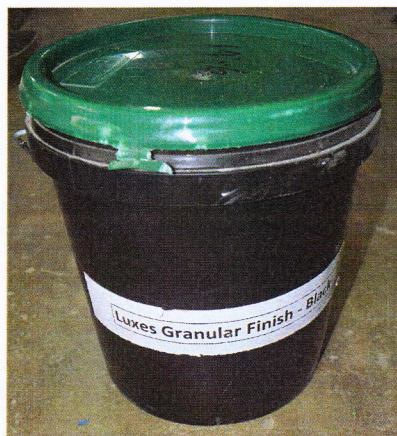
*The test results reported herein  
relate to the specimens submitted  
to N.B.R.O. and do not certify the  
quality of a product in general*

202420 1476

**DETERMINATION OF TENSILE PULL OFF STRENGTH TEST OF  
LUXES GRANULAR FINISH PRODUCT**

**REPORT NO. : M/20/162**

01. SAMPLES RECEIVED ON : 08.09.2020
02. DESCRIPTION OF SAMPLES : (a) Nos. received : 01 Bucket  
RECEIVED (b) Product Name\* : Luxes Granular Finish – Black



(\*as intimated by the client)

03. THE PRE-TESTING STAGE : (a) Condition of Bucket : Un-Opened  
(b) Quantity of Bucket : 15 kg
04. TEST REQUESTED : Determination of Tensile Pull off Strength
05. TESTS CARRIED OUT : (a) ASTM D4541 - 17  
IN ACCORDANCE WITH Standard Test Method for Pull-Off Strength of Coatings Using  
Portable Adhesion Testers  
(b) SLS 1579  
Specification for skim coat powder.
06. MODE OF APPLY : Spray the Luxes Granular Finish – Black material by using  
hopper gun
07. TEST RESULTS : Tensile pull off strength test results are given in page no.03.



202420 1476

**DETERMINATION OF TENSILE PULL OFF STRENGTH TEST OF  
LUXES GRANULAR FINISH PRODUCT**

**REPORT NO. : M/20/162**

**TEST RESULT**

Applying date of the samples : 08.10.2020  
Testing date of the samples : 05.11.2020

*Table 01: Test results of Tensile pull off strength*

Load (N)	Tensile pull off strength (N/mm <sup>2</sup> )	Fracture Pattern (See Photos attached)
1320	0.67	Adhesive Fracture
1315	0.67	-Do-
1388	0.71	-Do-
1544	0.79	-Do-
1594	0.81	-Do-
<b>Average</b>	<b>0.73</b>	-

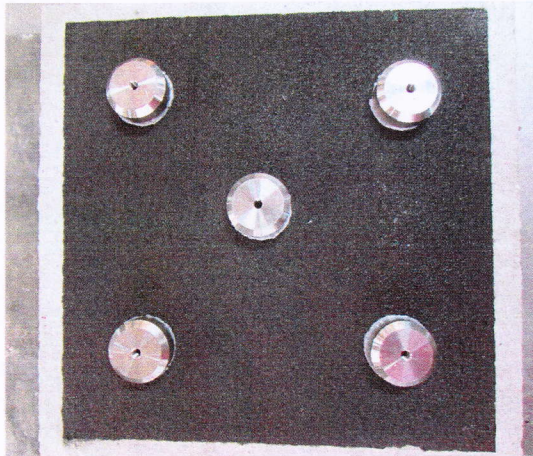


Fig 1: Sample before test

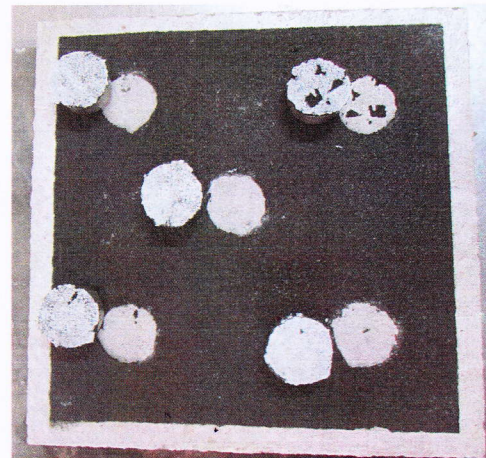


Fig 2: Sample after test

Testing Officer: \_\_\_\_\_

*S.R. Randika*  
S.R. Randika  
Materials Engineer

Checked by: \_\_\_\_\_

*R.Savitha*  
R.Savitha  
Senior Materials Engineer

Certified by: \_\_\_\_\_

*S.S.K. Muthurathne*  
Eng.(Mrs.) S.S.K. Muthurathne  
Director  
Building Materials Research & Testing Division