



# INDUSTRIAL TECHNOLOGY INSTITUTE (ITI)

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## TEST REPORT

Report No. SS 2113330

### Report to:

Horana Minerals (Pvt) Ltd  
No. 05, Gonamadiththa Watte,  
Thalawa,  
Haltota.

### Issued by:

Materials Laboratory,  
Industrial Technology Institute,  
363, Bauddhaloka Mawatha,  
Colombo 07.

2021-12-29

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"PLEASE ADDRESS ALL COVERS TO THE DIRECTOR GENERAL"

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Report No. SS 2113330

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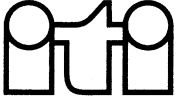
**RETENTION OF TEST ITEMS:** Perishable items will be destroyed immediately after testing, other items after 01 month from the date of issue of the report.

**RETURN OF TEST ITEMS:** Test items will be returned to the customer at the sole discretion of the ITI only on a written request by the customer.

**LOSS OR DAMAGE:** While the ITI exercises every care in respect of work entrusted to the Institute by customers, the Institute is not liable for any loss/damage howsoever caused to person/property, including property entrusted by customer to the Institute whether such loss, damage or delay may have been caused by reasons beyond the control of the Institute or otherwise.

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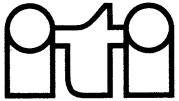
**CHANGE OF CONDITIONS:** ITI may at its sole discretion add to or amend the conditions of this report at the time of issue of the report and such additions or amendments shall be binding on the customer.



**TEST REPORT**

Report No. SS 2113330

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|--|---|
| <b>Customer :</b><br>Horana Minerals (Pvt) Ltd<br>No. 05, Gonamadiththa Watte,<br>Thalawa,<br>Haltota.   | <b>Test Item :</b><br>Tile Adhesive<br><br><b>Service Requested :</b><br>Customer's letter dated 2021-10-07   |
| <b>Description :</b><br>One (01) test item<br><br>Following information was given in the customer's letter.<br><br>Sample :<br>Hega Brand Tile Adhesive – Grey | <b>Identification of Test Items:</b><br>Test item was labelled as ;<br><br>Product Name : Hega<br>Polymer modified<br>Tile Adhesive - Gray<br><br>Marketed by : Horana Minerals (Pvt) Ltd<br>No. 05, Gonamadiththa Watte,<br>Thalawa, Haltota,<br>Sri Lanka.<br><br><b>Date of Receipt of Test Item :</b><br>2021-10-12 |
| <b>Test Dates :</b> From 2021-11-10 to 2021-12-20  |   |



... Continuation Sheet

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TEST RESULTS:

| Test / Unit  | Test Method        | Results                          |
|--|--------------------|----------------------------------|
| 1. Tensile Adhesion Strength / N/mm <sup>2</sup>   | ISO 13007-2 : 2010 | 0.7                              |
| 2. Tensile Adhesion Strength after Water Immersion / N/mm <sup>2</sup>   |                    | 0.9                              |
| 3. Tensile Adhesion Strength after Heat Aging / N/mm <sup>2</sup>  |                    | 0.6                              |
| 4. Open Time ;<br>Tensile Adhesion Strength / N/mm <sup>2</sup><br>5 (minutes)<br>10 (minutes)<br>20 (minutes) |                    | 0.7<br>0.7<br>0.5                |
| 5. Tensile Adhesion Strength after Water immersion * <sup>1</sup> / N/mm <sup>2</sup>                          |                    | 0.6                              |
| 6. Slip / mm   |                    | 0.4                              |
| 7. Compressive Strength (28 days) / N/mm <sup>2</sup>  |                    | ISO 13007- 4: 2013* <sup>2</sup> |
| 8. Flexural Strength (28 days) / N/mm <sup>2</sup>   | 7.3                |                                  |

Sample: Water ratio = 25 kg: 6l

Note: \*<sup>1</sup> Water for immersion was provided by the customer (Labelled as sea water)

\*<sup>2</sup> Compressive strength and flexural strength of given sample was determined according to the test method ISO 13007 - 4: 2013, Test method for grout (test condition, temperature - 27 ± 2 °C, Humidity > 65)

Test was carried out by B.D.M. Chinthaka, Assistant Research Technologist.

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Authorized Signatory

2021-12-29  
-/sgs  
**C.N. Vitharana**  
Research Engineer  
Materials Laboratory