



مختبرات ويمبي ذ.م.م Wimpey Laboratories LLC

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LABORATORY REPORT

Al Maha Ceramics SAOG
P.O. Box: 482, Postal Code: 322
Falaj Al Qabail, Sohar, Sultanate of Oman.

Report No: WAM18-0769/02
Sample No: WAM18-0769/02
Date of Report: 13/10/2018

Introduction: Further to the request received from **M/s. Al Maha Ceramics SAOG** dated 06th October 2018, the sample of Tile was tested for Chemical parameters.

Sample Type : Tile
Sample Identification : Al Maha Ceramic Glazed Tile: AMDCL-1
Sample Received Date : 06/10/2018
Date Tested : 06/10/2018-13/10/2018
Tested By : VP/NK



Results of Analysis

| Test | Method | Unit | Result |
|-------------------|-------------|------|--------|
| Solar reflectance | ASTM C 1549 | % | 88 |
| Solar absorbance | | % | 12 |
| Solar emissivity | ASTM C 1371 | - | 0.75 |

Solar Reflectance Index, SRI

Test method

SRI for wind condition (Low, Medium, High): ASTM E 1980:01

| Condition | Low wind (0-2 m/s) | Medium wind (2-6 m/s) | High wind (6-30 m/s) |
|--|-----------------------|--------------------------|-------------------------|
| Convective coefficient, (W/(m ² K)) | 5 | 12 | 30 |
| Roof surface temperature (°C) | 43.9 | 41.0 | 38.9 |
| Solar reflectance index, SRI | 110 | 109 | 109 |

Signed for and on behalf of Wimpey Laboratories

Sreejith M I
Laboratory Manager



Test results relate only to the samples tested

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