

LABORATORY REPORT

Bautech Chemical Industries
P.O. Box: 23054,
Ajman, UAE

Report No: WD-R-221216-0571 Rev 02
Sample No: WD-S-221216-0562
Date of Report: 26/12/2022

Introduction: Further to the request received from **M/s. Bautech Chemical Industries** dated 12th December 2022, the Waterproof and Protective Coating was tested for below parameters.

Sample Description : Waterproof and Protective Coating
Request Number : WD-Q-221216-0101
Sample Received : 12/12/2022
Date Tested : 12/12/2022-26/12/2022
Tested By : VP

General Information

Name of the Product : BAUCOAT WP ACE

Solar Reflectance Index (SRI)

Test methods

Emissivity : ASTM C 1371
Solar reflectance : ASTM C 1549
SRI for wind condition (Low, Medium, High) : ASTM E 1980:01

Thermal emissivity: 0.80		Solar reflectance (%): 84.20	
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))	5.0	12.0	30.0
Roof surface temperature (°C)	47.0	43.0	39.9
Solar reflectance index, SRI	104	104	104

(Uncertainty of measurement - Solar reflectance: $\pm 2.1\%$, Thermal emissivity: ± 0.02)

Remark: None

Signed for and on behalf of Wimpey Laboratories LLC


Varun Payyadakkath
Senior Chemist

Test results relate only to the samples tested.

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