



LAB TEST REPORT FOR INSULATION TILES

FOR CALCULATING R-VALUE AND TEMPERATURE DIFFERENCE



*Helps reducing
global warming*



**National Tiles
& Ceramics Ltd.**



Temperature Difference Test

Placing the sample of Heat Insulation Tile by National Tiles & Ceramics Ltd. Size 132 x 268 x 34 mm, for calculating the temperature difference in $^{\circ}\text{C}$ using the Gallenham Temp Klin.

Note: The Temperature shows a 6°C difference in the temperature by using, **Heat Insulation National Tiles**

National Tiles has developed Insulation Tiles for Roof & Terraces with Special Heat Reflective glaze (HRNT-613) which contributes to energy saving by decreasing cooling & heating cost.

Temperature $^{\circ}\text{C}$ at the Bottom of the **Heat Insulation National Tiles** Size 132x268x34mm



Temperature $^{\circ}\text{C}$ at the front of the **Heat Insulation National Tiles** Size 132x268x34mm



PCSIR LABORATORIES COMPLEX, KARACHI
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TEST REPORT*

KL/ILO/FF/510/01(NA)
Revision # : 02
Issue # : 01
Issue Date: 19-11-2009

S. No: 20232

Test Report #. ILD/ATR-5496/2013

Date: 30-09-2013

1. Name and Address of Client:

M/s. National Tiles & Ceramics Limited
8th Floor, Al-Saihat Centre, Annex Regent Plaza Hotel
Rafiqui Shaheed Road Karachi.

Ref.: #. Nil dated 24-09-2013

Date of receipt: 24-09-2013

2. Description of the Sample:

National Insulation Ceramic Tiles (Hot & Cold Proof) 132x268x34 mm³

Item: --

Make: N.A.

Lab. Code No.

ILD/ATR-5496/2013

Mark if any: White

Condition found on receipt:

Normal

3. Sample Plan / Procedure used:

N.A.

Date of sampling: N.A.

4. Environmental Conditions:

Temp: N.A.

Humidity: N.A.

(Where applicable)

5. Method Used:

Lab Developed Method.

6. Measurements & Results:

Thermal Resistance (R-Value) = 0.21 m. K. Watt⁻¹

7. Statement of Compliance: N.A.

8. Opinion / Interpretation (where required):-

Tested By: (Syed Junaid Mehmood)
S.O.

(A.F.K. Ifrahim)
S.E.O.

Head of Centre/Division:

(Dr. Arfa Yasmin)
CSO/HOC

(Engr. Dr. S. Naimat Ali Rizvi)
Director General

END OF REPORT



**National Tiles
& Ceramics Ltd.**

CONTACT DETAILS

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