



**राष्ट्रीय भौतिक प्रयोगशाला**  
(वैज्ञानिक एवं औद्योगिक अनुसंधान परिषद्)  
**NATIONAL PHYSICAL LABORATORY**  
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**CALIBRATION CERTIFICATE OF**

Mineral Fiber Tile

Certificate No.

1101325/D5.04/C-444

Date

03/03/2011

Recommended date for the next calibration

03/03/2012

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1. Calibrated for and their reference (s) : **Diamond International Inex Pvt. Ltd.**  
309, Phase-II, Udyog Vihar  
Gurgaon, Haryana  
: Ref. Nil Date: 31/01/2011
2. Description & Identification of item under calibration  
(a) Supplier's : Mineral fiber tile, Make - Diamond  
(B) NPL : 2086/OPT/2010
3. Environmental condition of measurement : Ambient Temperature  $(25 \pm 2)^\circ\text{C}$   
Relative humidity  $(50 \pm 15)\%$
4. Standard used and associated uncertainty at 95% confidence level ( $k=2$ ) : Reflectance standard.  
Standard expanded uncertainty in reflectance measurement is  $\pm 1.5\%$ .
5. Traceability of standards used : Standards used for calibration are traceable to national standard.
6. Principle /Methodology : Reflectance is measured using GONIO Reflectometer.
7. Result(s) : The reflectance of the tile is  $(81.75 \pm 2)\%$ .
8. Date of calibration : 03/03/2011

Calibrated by:

*[Signature]*

Checked by:

*[Signature]*

Scientist-in-charge:

*[Signature]*

**Dr. H. C. KANDPAL**

**Dr. H. C. KANDPAL**

Issued by:



*[Signature]*  
(Rao)

Dr. Bharat Kumar Yadav