

Dubai Central Laboratory
Engineering Materials Laboratory Section – Structural Unit
TEST REPORT
 Steady-State Heat Flux Measurements and Thermal Transmission Properties by Guarded-Hot-Plate Apparatus

REPORT NO. : 2014030884 DATE : 14/04/2014
 WEB REQUEST NO. : DCL-25032014-0110
 REQUEST NO. : 2014017612 SAMPLE NO. : 2014025397
 PROJECT NO. : PS-1661
 PROJECT NAME : TESTING SERVICE FOR LECA BUILDING MAT. TRADING LLC
 CONSULTANT : NO SPECIFIC CONSULTANT
 CONTRACTOR : NO SPECIFIC CONTRACTOR
 LOCATION : LECA - UAE
 SOURCE : NOT GIVEN
 SAMPLE DESCRIPTION : LIGHT EXPANDED CLAY AGGREGATE(LECA)
 SAMPLE TYPE : LECA AGGREGATE
 SUPPORT / FACING : NIL
 NOM. THICKNESS (mm) : NG NOM. DENSITY (kg/m³) : NG

| | | |
|---------------------------------------|--------------|-----------------|
| Date of Sampling : 24/03/2014 | Time : 10:30 | Lot No. : NG |
| Date of Receiving Sample : 24/03/2014 | Time : 11:15 | Lot Size : NG |
| Size of Sample : 8.3 kg. | Area No. : - | Sender No. : NG |

APPARATUS : TAURUS HOTPLATE APPARATUS (TLP 800-S)

| | |
|---------------------------------|------------|
| SIZE OF PLATE (mm) | 500 |
| SHAPE OF PLATE | SQUARE |
| ORIENTATION OF PLATE | HORIZONTAL |
| SINGLE OR DOUBLE SIDE OPERATION | SINGLE |
| SECONDARY GUARDING DETAILS | NA |
| FILL GAS PRESSURE (Pa) | NA |

CALIBRATION DETAILS

| | |
|---------------------------------------|---|
| TYPE OF MATERIAL USED FOR CALIBRATION | CERTIFIED REFERANCE MATERIAL 1RMM-440 |
| DATE OF CERTIFICATION | MARCH - 2010 |
| SOURCE OF CERTIFICATION | INSTITUTE OF REFERENCE MATERIALS AND MEASUREMENTS |

SPECIMEN

DEGREE OF HOMOGENITY OR ANISOTROPY : LIGHT EXPANDED CLAY AGGREGATE
 SPECIMEN CONDITIONING TEMP; HUMIDITY & DURATION : 35±2°C, 60±5% RH, 24 h

| Specimen No. | BEFORE CONDITIONING | | | | AFTER CONDITIONING | | | | AFTER TEST |
|--------------|---------------------|------------|----------------|------------|--------------------|------------|----------------|------------|------------|
| | Length (mm) | Width (mm) | Thickness (mm) | Mass (Kg.) | Length (mm) | Width (mm) | Thickness (mm) | Mass (Kg.) | Mass (Kg.) |
| 1 | 500.0 | 500.0 | 70.0 | 5.1146 | 500.0 | 500.0 | 70.0 | 5.1146 | 5.1146 |

**AUTHORIZED BY
HEAD OF UNIT**

This report is computer approved, it does not require any signature

