



Dubai Central Laboratory

Engineering Materials Laboratory Section – Structural Unit

TEST REPORT

DETERMINATION OF SOLAR REFLECTANCE INDEX

REPORT NO. : 2014013809 DATE : 18/02/2014
 WEB REQUEST NO. : DCL-11022014-0092
 REQUEST NO. : 2014008943 SAMPLE NO. : 2014013361
 PROJECT NO. : PS14-0019
 PROJECT NAME : TESTING SERVICE FOR RESYSTA BUILD. MATERIAL, JLT
 CONSULTANT : NO SPECIFIC CONSULTANT
 CONTRACTOR : NO SPECIFIC CONTRACTOR
 LOCATION : RESYSTRA BUILDING MATERIAL, JLT - DUBAI
 SOURCE : WALER PRECISION MFG SDN.BHD - MALAYSIA
 SAMPLE DESCRIPTION : CLADDING
 SAMPLE TYPE : RESYSTA CP120612
 SURFACE TEXTURE : SMOOTH

Date of Sampling	: 10/02/2014	Time	: 10:00	Lot No.	: NG
Date of Receiving Sample	: 11/02/2014	Time	: 9:00	Lot Size	: NG
Size of Sample	: 3 Pieces	Area No.	: -	Sender No.	: NG

DATE SPECIMEN RECEIVED	11/02/2014
SPECIMEN THICKNESS (mm)	NG
TEST CONDITION	23±2°C, 50±5% RH
TEST START DATE	12/02/2014

SPECIMEN NO.	1, 2 & 3
Solar Reflectance (%) as per ASTM C 1549 - 09	35.9
Emittance (ε) As Per ASTM C1371-04a	0.90
Standard Deviation of Reflectance	0.0318
Standard Deviation of Emittance	0.0101

Solar Reflectance Index (SRI) for Low Wind (0 to 2 m/s)	39.40
Solar Reflectance Index (SRI) for Medium Wind (2 to 6 m/s)	39.83
Solar Reflectance Index (SRI) for High Wind (6 to 10 m/s)	40.22

SAMPLED BY : MAZDAK RAFATY(Supl.) TESTED BY : JAI GOVIND
 SAMPLES BROUGHT IN BY : MAZDAK RAFATY(Supl.)
 TEST METHOD :
 TEST METHOD VARIATION : NIL
 REMARKS : THIS REPORT REPRESENTS THE SUBMITTED SAMPLES ONLY.
 SOLAR REFLECTANCE MEASURED UNDER THE AIR MASS 1.5

**AUTHORIZED BY
HEAD OF UNIT**

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



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