REPORT ON THERMAL CONDUCTIVITY OF LIQUID CERAMIC INSULATION COATING

Client Name	: **C-COAT™ Liquid Insulation**	Report No.	: **496665 SN 1/1**
Address	: Dubai,UAE	Lab. Sample No	: **16-496665/1**
Consultant	: NP	Lab. Project No	: **P-3322**
Contractor	: NP	Client Reference No.	: **NP**
Project Name	: NP	Lot No.	: NP
Project No.	: NP	Lot Size	: NP
Location	: Dubai,UAE	Calibration used	: 1450b
Sample Description	: **Liquid Ceramic Insul. Coating C-COAT™**	Set Point Upper Plate	: 30.02°C
Work size (mm) L x W	: 300 x 300 mm	Set Point Lower Plate	: 40.03°C
Source	: Client	Mean Temperature	: 35.02°C
Sample Size (No.)	: 1	Sample Brought by	: Client
Sampling Method	: NP	Date Received	: 03/05/2016
Sampling Date	: NP	Date test Started	: 08/05/2016
Sampled by	: Client	Date Test Completed	: 09/05/2016
Place of Sampling	: NP	Report Date	: 10/05/2016
Orientation of Specimen	: Horizontal	Production Date	: NP
Thickness of Test Specimen	: 6.164 mm	Tested by	: JD
Thermal Conductivity of polystyrene foam	: 0.030 W/mK		

Test Data

Item No.	Test Name	Test Result
1	Average Thermal Conductivity (W/mK)	**0.004**

Test method variation : ASTM C 518-10

Remarks :

(i) Specimen was conditioned in such away that change in mass with in 24hrs, was less than 1%.

(ii) Preparation of specimen was carried out by Material Lab

(ii) Conditioning of specimen was carried out in accordance with ASTM C 518-10, Cls 7.3.

(iii) Thermal conductivity of Liquid ceramic insulation coating akterm was measured by measuring the "K" value of polystyrene foam. This polystyrene was coated with Liquid ceramic insulation coating akterm and "K" value was measured again. Reported value is the difference in the "K' value.

Authorized Signatory

002 سهيل ظفر
Sohail Zafar
Laboratory Manager

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Note : This test accredited by ENAS