

**Dubai Central Laboratory**  
Engineering Materials Laboratory Section – Structural Unit

**TEST REPORT**  
BEHAVIOR OF MATERIAL IN A VERTICAL TUBE FURNACE @ 750° C

REPORT NO.	: 2013060461	DATE	: 16/07/2013
WEB REQUEST NO.	: DCL-01072013-0145	SAMPLE NO.	: 2013054761
REQUEST NO.	: 2013040383		
PROJECT NO.	: PS13-0077-1		
PROJECT NAME	: TESTING SERVIER FOR ECOCON INDUSTRIES LLC		
CONSULTANT	: NO SPECIFIC CONSULTANT		
CONTRACTOR	: NO SPECIFIC CONTRACTOR		
LOCATION	: ECOCON INDUSTRIES LLC - RAS AL KHAIMA		
SOURCE	: ECOCON INDUSTRIES LLC - RAK		
SAMPLE DESCRIPTION	: NANOCRETE		
SAMPLE TYPE	: LIGHT WEIGHT CELLULAR CONCRETE		
SUPPORT / FACING	: NIL		
NOM. THICKNESS (mm)	: 50		
NOM. DENSITY (kg/m <sup>3</sup> )	: 500		
Date of Sampling	: 20/06/2013	Time	: 1
Date of Receiving Sample	: 02/07/2013	Time	: 0
Size of Sample	: 2 Nos.	Area No.	: -
		Lot No.	: NG
		Lot Size	: NG
		Sender No.	: ECOCON-03

DATE SPECIMEN RECEIVED	02/07/2013
SPECIMEN NOM. LENGTH (mm)	38
SPECIMEN NOM. WIDTH (mm)	38
SPECIMEN NOM. THK. (mm)	50
SPECIMEN NOM. DENSITY (kg/m <sup>3</sup> )	500
PRE-CONDITION	60±3°C, 24h
TEST CONDITION	750±5.5
TEST START DATE	03/07/2013

SPECIMEN NO.	1	2	3	4
WEIGHT LOSS OF THE SPECIMEN (%)	18%	16%	15%	16%
TEMP. DIFFERENCE ON THE INTERIOR THERMOCOUPLE AGAINST THE STABILIZED TEMP. MEASURED @ T <sub>2</sub> (°C)	-7.1	-8.2	-4.2	-5.0
TEMP. DIFFERENCE ON THE SURFACE THERMOCOUPLE AGAINST THE STABILIZED TEMP. MEASURED @ T <sub>2</sub> (°C)	1.1	0.8	4.5	3.1
FLAMING OF THE SPECIMEN after FIRST 30 s.	NIL	NIL	NIL	NIL
FLAMING OF THE SPECIMEN DURING TEST	NIL	NIL	NIL	NIL
RESULT OF THE SPECIMEN	PASSED	PASSED	PASSED	PASSED
OVERALL RESULT	PASSED			

CONDITION OF PASSING AS PER ASTM E 136-04

AT LEAST THREE OF THE FOUR SPECIMEN SHOULD MEET CLAUSE 8.2 OR 8.3

CLAUSE 8.2. WHEN THE WEIGHT LOSS OF THE SPECIMEN IS 50% OR LESS:

8.2.1. THE RECORDED TEMPERATURE OF THE SURFACE AND INTERIOR THERMOCOUPLES DO NOT AT ANY TIME DURING THE TEST RISE MORE THAN 54°F (30°C) ABOVE THE STABILIZED TEMPERATURE MEASURED AT T<sub>2</sub> PRIOR TO THE TEST.

8.2.2. THERE IS NO FLAMING FROM THE SPECIMEN AFTER FIRST 30 s.

CLAUSE 8.3. WHEN THE WEIGHT LOSS OF THE SPECIMEN DURING TESTING EXCEEDS 50%:

8.3.1. THE RECORDED TEMPERATURE OF THE SURFACE AND INTERIOR THERMOCOUPLES DO NOT AT ANY TIME DURING THE TEST RISE ABOVE THE STABILIZED TEMP. MEASURED AT T<sub>2</sub> PRIOR TO THE TEST

8.3.2. THERE IS NO FLAMING OF THE SPECIMEN AT ANY TIME DURING THE TEST.

SAMPLED BY : OLEG ZARETSKLY (Mfr)

TESTED BY : JAIGOVIND

SAMPLES BROUGHT IN BY : OLEG ZARETSKLY (Mfr)

SAMPLING METHOD : NOT GIVEN

SAMPLING REPORT NO. : NG

TEST METHOD : ASTM E136 : 2009

TEST METHOD VARIATION : NIL

REMARKS : THIS REPORT REPRESENTS THE SUBMITTED SAMPLE ONLY.

VERIFIED BY  
HEAD OF UNIT

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





**Dubai Central Laboratory**  
Engineering Materials Laboratory Section – Structural Unit  
**TEST REPORT**  
DRY DENSITY OF AUTOCLAVED AERATED CONCRETE

REPORT NO. : 2015012544 DATE : 04/02/2015  
 WEB REQUEST NO. : DCL-29012015-0061  
 REQUEST NO. : 2015007593 SAMPLE NO. : 2015010319  
 PROJECT NO. : PS14-0044-2  
 PROJECT NAME : TESTING SERVICE FOR ECOCON INDUSTRIES LLC  
 CONSULTANT : NO SPECIFIC CONSULTANT  
 CONTRACTOR : NO SPECIFIC CONTRACTOR  
 LOCATION : STOCK YARD - ECOCON INDUSTRIES LLC - RAK  
 SOURCE : ECOCON INDUSTRIES LLC - RAK  
 SAMPLE DESCRIPTION : LIGHT WEIGHT CONCRETE BLOCK  
 PRODUCT TYPE : ECOCON LIGHT WEIGHT AERATED CONCRETE BLOCK D500

Date of Sampling	: 28/01/2015	Time	: 12:00	Lot No.	: NG
Date of Receiving Sample	: 29/01/2015	Time	: 08:10	Lot Size	: NG
Size of Sample	: 6 Pcs.	Area No.	: -	Sender No.	: NG

NOMINAL SIZE (mm)	600 * 200 * 200	APPEARANCE OF SPECIMEN	NORMAL
TESTING SIZE (mm)	150 * 150 * 150	SHAPE OF SPECIMEN	CUBE

SPECIMEN	A	B	C
DRY DENSITY (kg/m <sup>3</sup> )	555	550	550
MEAN DRY DENSITY (kg/m <sup>3</sup> )	550		

SAMPLED BY : YURY (Mfr.) TESTED BY : SUBER DUDDIYANDA  
 SAMPLES BROUGHT IN BY : YURY (Mfr.) TEST START DATE : 29/01/2015  
 SAMPLING METHOD : NOT GIVEN  
 SAMPLING REPORT NO. : NG  
 TEST METHOD : BSEN 678-1994  
 TEST METHOD VARIATION : NIL  
 REMARKS :

AUTHORIZED BY  
HEAD OF UNIT

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