


**EFFECTIVE THICKNESS AND FIRE RATING OF CONCRETE MASONRY UNITS TEST REPORT**  
**ASTM C140/C140M:2015 / ACI 216r.1-14**

<b>Client:</b>	Emirati Saudi Precast Aerated Concrete Company (ESPAC)	<b>Report No.</b>	KSA/C16/0886
<b>Request No.</b>	SA/C15/1360	<b>Date Received:</b>	2-Mar-16
<b>Client Ref.</b>	Solid Block	<b>Production Date:</b>	Not Given
<b>Project Name:</b>	Internal Quality Tests	<b>Date Tested:</b>	20-Mar-16
<b>Consultant:</b>	Not Given	<b>Date Reported:</b>	21-Mar-16
<b>Contractor:</b>	Emirati Saudi Precast Aerated Concrete Company (ESPAC)	<b>Tested by:</b>	RHL
<b>Project Location:</b>	Dammam, KSA.	<b>Sample Brought in By:</b>	Client
<b>Sample Description:</b>	Solid Block	<b>Sampling Certificate:</b>	Not Given
<b>Source &amp; Supplier:</b>	Emirati Saudi Precast Aerated Concrete Company (ESPAC)	<b>Date of Sampling:</b>	Not Given
<b>Test Method:</b>	ASTM C140/C140M:2015 / ACI 216r.1-14	<b>Sampling Location:</b>	Dammam, KSA
<b>Temperature at Time of Test:</b>	23.0 °C	<b>Test Method Variation:</b>	None

Sample No.	Age @ Test Days	Length (cm.)	Width (cm.)	Height (cm.)	Equivalent Thickness (cm.)	Equivalent Thickness (inch.)
1	N.G	60	10	10	10	3.9
2	N.G	60	10	10	10	3.9

<b>Fire Rating in Time (Hours) for 60cm x 10cm x 10cm</b>	02:51:00
<b>Fire Rating in Time (Hours) for 60cm x 20cm x 20cm</b>	05:02:00

<b>Client Information:</b> Emirati Saudi Precast Aerated Concrete Company (ESPAC) Dammam KSA Mob: +966 59 327 7710	<b>For and on-behalf of Exova (Saudi Arabia) Co. Ltd</b>  Approved by: A. Pettitt MCS (Country Manager) R. Lagunilla (Lab. Manager)
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