

CONCRETE HOLLOW BLOCK TEST REPORT

ASTM C 140/ C 129/ C 90

PROJECT	AL-ASKAR TRADING & CONT. CO.	DATE	7-Jan-2018
CLIENT	AL-ASKAR TRADING & CONT. CO.	REF. No.	K/QC- 2289
LOCATION	DAMMAM, KINGDOM OF SAUDI ARABIA.	TYPE	HOLLOW BLOCK

CONCRETE HOLLOW BLOCK DIMENSION

Block no.	1	2	3	Average	Specifications	
					ASTM C-90	ASTM C-129
Length (mm)	400	400	400	400		
Width (mm)	100	99	100	100		
Height (mm)	200	199	200	200		
Area (mm ²)	40000	39600	40000	39867		
Area of 3 holes (mm ²)	8217	8210	8208	8212		
Net Area (mm ²)	31783	31390	31792	31655		
Classification	NORMAL			NORMAL		
Bulk Density (g/cm ³)	2.00	2.04	1.99	2.01		

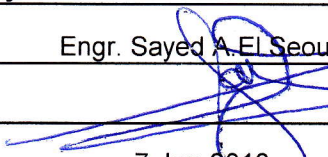
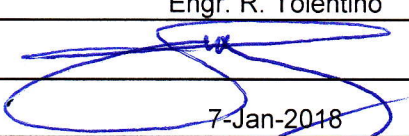
STRENGTH

Block no.	1	2	3	Average		
Net area (mm ²)	31783	31390	31792	31655		
Max. Load (kg)	39361	40789	40177	40109		
Max Load (kN)	386	400	394	393		
Strength (N/mm ²)	12.14	12.74	12.39	12.43	13.1	4.14
Strength (psi)	1761	1848	1797	1802		

REMARKS: Test results were based on the samples submitted .

Minimum requirement as per ASTM C-90 for load bearing CHB = 13.1 N/mm²

Minimum requirement as per ASTM C-129 for non-load bearing CHB = 4.14 N/mm²

Test Prepared by:		Checked by:	
Name	Engr. Sayed A.El Seoud	Name	Engr. R. Tolentino
Signature		Signature	
Date	7-Jan-2018	Date	7-Jan-2018

