



Arab Center  
For Engineering Studies

المركز العربي  
للدراسات الهندسية

## Report on Compressive Strength of Concrete Cubes

ACES Client	: Qatar German Pipes W.L.L. (QGPC)	Report No.	: TCR19043930
Owner	: Abdulla Salem Al Sulaiteen	Date Reported	: 19-11-19
Project Client	: ASHGHAL APPROVAL	Request No.	: TCQ19043930
PMC	: N/A	Sample No.	: TCS19043930
Consultant	: N/A		
Contractor	: N/A		
Project No.	: -		
Project Name	: Private		
Structure Reference	: Manhole Benching Cement Concrete Cube For 1200mm		
Source of Material	: -	No. of Cubes Tested	: 5
Place of Sampl./Cast.	: Site	Nominal Size	: 150 x 150 x 150 mm
Date of Sampling	: 03-07-19 Time : N.P.	Method of Compaction	: MANUAL
Date of Casting	: 03-07-19 Time : N.P.	Equip.of Compaction	: COMPACTING BAR
Sampling Method	: BS EN 12350-1:2009	Sampled By	: CONTRACTOR'S REP.
Curing/Storage (Site)	: BS EN 12390 - 2:2009	Cubes Prepared By	: CONTRACTOR'S REP.
Certificate Attached	: Sampling(NP), Making(NP), Curing(NP)	Sampling Certificate No.	: N.P.
Sample Rcvd. Date	: 18-11-19 Time : 12:00	Dimensions	: Actual
Condition of Cube	: Good	Volume Determination	: By Calculation
Removal of Fins	: Nil	Actual Test Age (Days)	: 138
Curing/Storage (Lab)	: BS EN 12390 - 2:2009	Rqrd Test Age (Days)	: 138
Moisture Condition	: Moist	Sample Brought In By	: CONTRACTOR'S REP.
Test Method	: BS EN 12390-3:2009: Annex B	Date Tested	: 18-11-19
Test Method Var.	: Nil	Tested By	: SAMI

Spec. No.	Client Cube Reference	Dimensions (mm)			Mass as Received (kg)	Density as Received (kg/m <sup>3</sup> )	Max. Load at Failure (kN)	Comp. Strength (N/mm <sup>2</sup> )	Type of Fracture
		Xm	Ym	Zm					
1	1	150	150	150	7.937	2350	1121.3	49.8	Satisfactory
2	2	150	150	150	7.881	2340	1181.7	52.5	Satisfactory
3	3	150	150	150	7.822	2320	1200.3	53.3	Satisfactory
4	4	150	150	150	7.911	2340	1158.3	51.5	Satisfactory
5	5	150	150	150	7.843	2320	1138.1	50.6	Satisfactory

Remarks : -

Spec. Strength (N/mm<sup>2</sup>) : 40



0 0 0 5 0 7 3 0 4 3 .

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h.a.

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1 of 1



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