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Strength evaluation of dry-stack masonry

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8 APPENDICES

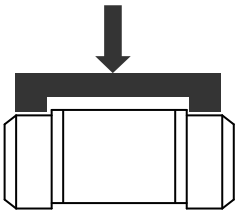
8.1 APPENDIX A - Block Unit Compressive Test Results

Specimen's Characteristics: SHOULDER TEST (S)

Wet 100 % (24 Hours Soaked in Water)

7 % Cement Content

Half Blocks



Sample	Brlock Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
S1	1.0	12,100.0	5,719.1	6,302.9	47.3	3.9
S2	2.0	11,300.0	5,343.9	5,875.0	56.3	5.0
S3	3.0	10,800.0	5,162.2	5,632.1	53.5	5.0
S4	4.0	11,400.0	5,372.0	5,919.3	54.0	4.7
S5	5.0	11,800.0	5,548.5	6,102.9	47.6	4.0
S6	6.0	10,800.0	5,177.7	5,657.5	62.9	5.8
S7	7.0	11,900.0	5,612.6	6,196.9	46.0	3.9
S8	8.0	11,500.0	5,490.0	6,004.3	53.3	4.6
S9	9.0	11,200.0	5,295.0	5,827.9	54.3	4.8
S10	10.0	12,600.0	5,937.6	6,545.4	45.8	3.6
				Mean Strength [MPa]:		4.5

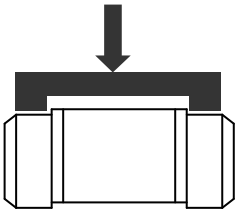
Specimen's Characteristics:

100 % Dry (24 Hours Oven Dry)

7 % Cement Content

Half Blocks

SHOULDER TEST (S)



Sample	Brlock Number	Net Area [mm2]	Normal Weight [g]	Dry Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
S1	21.0	11,800.0	5,564.7	5,531.9	103.4	8.8
S2	22.0	11,800.0	5,735.0	5,702.7	99.0	8.4
S3	23.0	11,600.0	5,485.4	5,437.9	91.6	7.9
S4	24.0	12,100.0	5,739.3	5,700.9	104.6	8.6
S5	25.0	11,900.0	5,700.2	5,674.2	97.2	8.2
S6	26.0	12,700.0	5,961.4	5,923.3	82.7	6.5
S7	27.0	11,500.0	5,416.4	5,389.6	89.8	7.8
S8	28.0	11,500.0	5,451.6	5,431.4	103.8	9.0
S9	29.0	11,500.0	5,465.7	5,423.3	118.3	10.3
S10	30.0	11,700.0	5,571.8	5,530.9	90.1	7.7
				Mean Strength [MPa]:		8.3

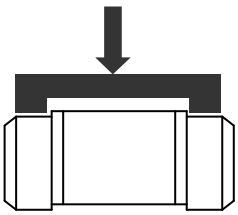
Specimen's Characteristics:

Normal Ambient Condition

7 % Cement Content

Half Blocks

SHOULDER TEST (S)



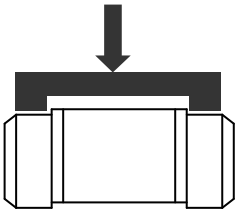
Sample	Brlock Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
S1	11.0	11,800.0	5,589.7		72.7	6.2
S2	12.0	11,400.0	5,457.6		67.7	5.9
S3	13.0	11,900.0	5,674.5		70.6	5.9
S4	14.0	12,100.0	5,743.6		56.2	4.6
S5	15.0	12,300.0	5,747.1		78.2	6.4
S6	16.0	12,600.0	5,968.9		72.1	5.7
S7	17.0	11,300.0	5,339.1		60.8	5.4
S8	18.0	11,500.0	5,508.7		79.9	6.9
S9	19.0	12,800.0	6,072.8		84.0	6.6
S10	20.0	11,400.0	5,073.7		56.7	5.0
				Mean Strength [MPa]:		5.9

Specimen's Characteristics: SHOULDER TEST (S)

Wet 100 % (24 Hours Soaked in Water)

10 % Cement Content

Half Blocks



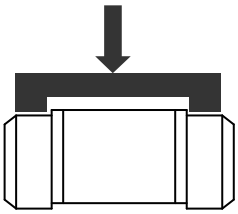
Sample	Brlock Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
S1	1.0	11,800.0	5,771.1	6,205.9	108.4	9.2
S2	2.0	12,200.0	5,938.3	6,404.3	100.5	8.2
S3	3.0	12,300.0	5,994.9	6,471.8	99.7	8.1
S4	4.0	11,700.0	5,660.9	6,150.0	93.2	8.0
S5	5.0	12,400.0	6,064.2	6,547.7	97.8	7.9
S6	6.0	12,100.0	5,945.9	6,387.5	103.6	8.6
S7	7.0	12,100.0	5,912.5	6,354.8	110.3	9.1
S8	8.0	11,200.0	5,436.8	5,894.3	90.5	8.1
S9	9.0	11,500.0	5,669.2	6,096.2	101.6	8.8
S10	10.0	12,400.0	6,031.8	6,465.2	100.3	8.1
				Mean Strength [MPa]:		8.4

Specimen's Characteristics: SHOULDER TEST (S)

100 % Dry (24 Hours Oven Dry)

10 % Cement Content

Half Blocks



Sample	Brlock Number	Net Area [mm2]	Normal Weight [g]	Dry Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
S1	21.0	11,800.0	5,805.0	5,765.6	179.4	15.2
S2	22.0	11,400.0	5,644.0	5,596.0	163.5	14.3
S3	23.0	11,500.0	5,740.2	5,694.1	173.5	15.1
S4	24.0	11,200.0	5,492.6	5,471.5	158.4	14.1
S5	25.0	11,500.0	5,654.3	5,604.1	184.9	16.1
S6	26.0	12,600.0	6,192.5	6,124.0	191.7	15.2
S7	27.0	10,900.0	5,349.3	5,314.3	163.8	15.0
S8	28.0	11,500.0	5,616.1	5,562.8	167.9	14.6
S9	29.0	12,900.0	6,280.6	6,200.6	204.5	15.9
S10	30.0	11,700.0	5,807.0	5,724.1	191.6	16.4
				Mean Strength [MPa]:		15.2

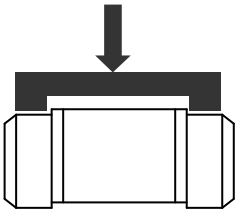
Specimen's Characteristics:

Normal Ambient Condition

10 % Cement Content

Half Blocks

SHOULDER TEST (S)



Sample	Brlock Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
S1	11.0	12,000.0	5,916.7		155.2	12.9
S2	12.0	12,700.0	6,298.9		142.1	11.2
S3	13.0	12,000.0	5,824.1		134.6	11.2
S4	15.0	11,700.0	5,889.0		180.8	15.5
S5	16.0	11,200.0	5,595.5		158.9	14.2
S6	17.0	12,100.0	6,577.7		144.5	11.9
S7	18.0	11,200.0	5,402.2		126.8	11.3
S8	19.0	12,200.0	5,985.6		144.5	11.8
S9	20.0	12,200.0	5,903.9		168.2	13.8
S10						
				Mean Strength [MPa]:		12.7

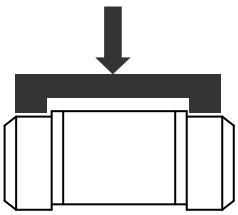
Specimen's Characteristics:

Wet 100 % (24 Hours Soaked in Water)

5 % Cement Content

Full Scale Blocks

SHOULDER TEST (S)



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
S1	21.0	24,200.0	11,558.0	12,505.3	59.9	2.5
S2	22.0	23,000.0	10,900.0	11,914.4	71.5	3.1
S3	23.0	23,800.0	11,286.0	12,226.8	66.0	2.8
S4	24.0	23,900.0	11,326.8	11,661.9	60.4	2.5
S5	25.0	22,500.0	10,715.6	12,264.8	71.6	3.2
S6	26.0	22,000.0	10,671.4	11,528.3	80.9	3.7
S7	27.0	21,800.0	10,392.1	11,363.8	71.9	3.3
S8	28.0	22,900.0	10,976.1	11,859.9	68.8	3.0
S9	29.0	22,300.0	10,729.1	11,647.8	73.6	3.3
S10	30.0	22,700.0	10,820.4	11,740.1	71.6	3.2
				Mean Strength [MPa]:		3.1

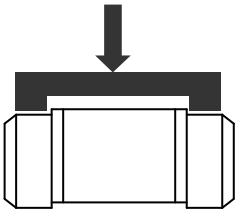
Specimen's Characteristics:

100 % Dry (24 Hours Oven Dry)

5 % Cement Content

Full Scale Blocks

SHOULDER TEST (S)



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Dry Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
S1	11.0	24,000.0	11,300.2	11,239.4	125.4	5.2
S2	12.0	23,800.0	11,313.7	11,218.9	133.5	5.6
S3	13.0	24,400.0	11,418.0	11,322.4	188.7	7.7
S4	14.0	22,000.0	10,596.3	10,532.9	159.9	7.3
S5	15.0	22,400.0	10,680.9	10,611.2	165.2	7.4
S6	16.0	22,600.0	10,864.9	10,807.7	151.0	6.7
S7	17.0	24,000.0	11,377.7	11,305.3	141.7	5.9
S8	18.0	24,000.0	11,378.2	11,270.8	185.8	7.7
S9	19.0	22,200.0	10,659.5	10,592.0	149.3	6.7
S10	20.0	22,100.0	10,630.2	10,556.4	152.0	6.9
				Mean Strength [MPa]:		6.7

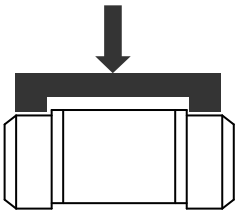
Specimen's Characteristics:

Normal Ambient Condition

5 % Cement Content

Full Scale Blocks

SHOULDER TEST (S)



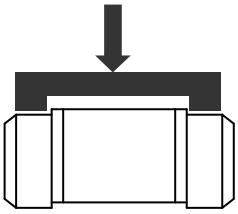
Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
S1	1.0	24,500.0	11,552.4		163.7	6.7
S2	2.0	23,500.0	11,066.2		158.1	6.7
S3	3.0	22,900.0	10,906.6		138.6	6.1
S4	4.0	23,200.0	11,046.2		143.1	6.2
S5	5.0	24,300.0	11,570.9		121.8	5.0
S6	6.0	24,800.0	11,618.0		121.6	4.9
S7	7.0	23,200.0	11,004.0		155.0	6.7
S8	8.0	24,500.0	11,513.6		127.7	5.2
S9	9.0	21,700.0	10,437.4		142.1	6.5
S10	10.0	21,000.0	10,191.5		151.6	7.2
				Mean Strength [MPa]:		6.1

Specimen's Characteristics: SHOULDER TEST (S)

Wet 100 % (24 Hours Soaked in Water)

7 % Cement Content

Full Scale Blocks



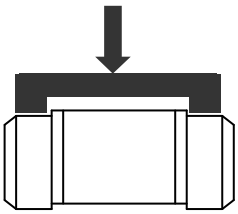
Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
S1	11.0	22,400.0	10,699.7	11,611.1	118.8	5.3
S2	12.0	22,600.0	10,836.4	11,732.0	90.5	4.0
S3	13.0	21,600.0	10,237.0	11,148.8	108.2	5.0
S4	14.0	23,000.0	11,008.0	11,885.5	93.7	4.1
S5	15.0	21,800.0	10,177.0	11,049.4	102.7	4.7
S6	16.0	21,300.0	10,202.8	11,043.8	108.0	5.1
S7	17.0	21,800.0	10,445.7	11,289.3	95.3	4.4
S8	18.0	21,600.0	10,362.3	11,171.6	122.8	5.7
S9	19.0	22,000.0	10,464.3	11,297.7	110.6	5.0
S10	20.0	23,000.0	10,984.1	11,854.5	97.6	4.2
				Mean Strength [MPa]:		4.8

Specimen's Characteristics: SHOULDER TEST (S)

100 % Dry (24 Hours Oven Dry)

7 % Cement Content

Full Scale Blocks



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Dry Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
S1	1.0	21,700.0	10,289.8	10,226.3	177.8	8.2
S2	2.0	22,300.0	10,721.1	10,627.3	183.1	8.2
S3	3.0	22,200.0	10,550.7	10,465.8	177.3	8.0
S4	4.0	22,000.0	10,574.0	10,458.4	201.6	9.2
S5	6.0	21,800.0	10,426.4	10,323.6	176.3	8.1
S6	7.0	21,200.0	9,996.7	9,936.3	174.3	8.2
S7	8.0	22,000.0	10,410.8	10,292.0	217.8	9.9
S8	9.0	22,000.0	10,430.4	10,307.6	178.8	8.1
S9	10.0	22,000.0	10,443.0	10,334.8	226.2	10.3
S10						
				Mean Strength [MPa]:		8.7

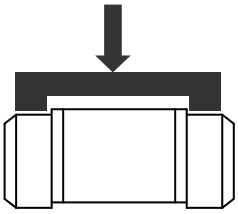
Specimen's Characteristics:

Normal Ambient Condition

7 % Cement Content

Full Scale Blocks

SHOULDER TEST (S)



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
S1	21.0	21,700.0	10,314.0		189.2	8.7
S2	22.0	22,000.0	10,390.1		166.4	7.6
S3	23.0	21,700.0	10,285.2		194.5	9.0
S4	24.0	21,400.0	10,130.1		192.1	9.0
S5	25.0	22,300.0	10,493.4		188.0	8.4
S6	26.0	22,700.0	11,033.2		159.3	7.0
S7	27.0	22,400.0	10,696.1		170.6	7.6
S8	28.0	21,800.0	10,427.0		173.9	8.0
S9	29.0	21,300.0	10,087.9		184.7	8.7
S10	30.0	22,000.0	10,595.8		166.5	7.6
				Mean Strength [MPa]:		8.2

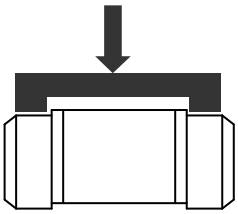
Specimen's Characteristics:

Wet 100 % (24 Hours Soaked in Water)

10 % Cement Content

Full Scale Blocks

SHOULDER TEST (S)



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
S1	11.0	22,600.0	10,957.7	11,703.0	202.6	9.0
S2	12.0	22,000.0	10,710.2	11,443.7	173.2	7.9
S3	13.0	22,600.0	10,967.3	11,681.1	206.3	9.1
S4	14.0	22,300.0	10,739.8	11,538.6	170.8	7.7
S5	15.0	21,800.0	10,542.7	11,298.7	202.0	9.3
S6	17.0	22,300.0	10,887.7	11,568.8	220.7	9.9
S7	18.0	22,700.0	10,996.2	11,729.8	205.9	9.1
S8	19.0	22,000.0	10,690.4	11,365.5	186.8	8.5
S9	20.0	22,400.0	10,953.8	11,625.6	228.7	10.2
S10						
				Mean Strength [MPa]:		9.0

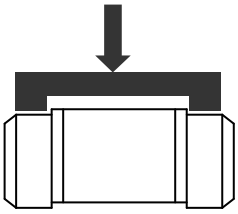
Specimen's Characteristics:

100 % Dry (24 Hours Oven Dry)

10 % Cement Content

Full Scale Blocks

SHOULDER TEST (S)



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Dry Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
S1	1.0	21,800.0	10,628.2	10,555.8	341.1	15.6
S2	2.0	22,200.0	10,743.4	10,671.8	302.7	13.6
S3	3.0	22,300.0	11,055.4	10,964.6	389.7	17.5
S4	5.0	22,500.0	11,042.0	10,971.8	358.1	15.9
S5	6.0	21,600.0	10,472.3	10,392.7	295.5	13.7
S6	7.0	21,900.0	10,573.7	10,473.8	301.2	13.8
S7	8.0	21,600.0	10,589.6	10,483.5	354.9	16.4
S8	9.0	22,000.0	10,642.5	10,531.9	389.0	17.7
S9	10.0	22,000.0	10,697.4	10,586.4	338.9	15.4
S10						
				Mean Strength [MPa]:		15.5

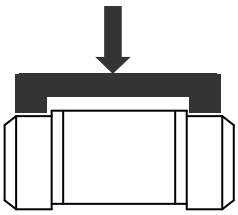
Specimen's Characteristics:

Normal Ambient Condition

10 % Cement Content

Full Scale Blocks

SHOULDER TEST (S)



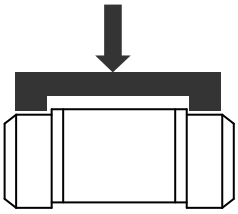
Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
S1	21.0	22,300.0	10,741.8		283.7	12.7
S2	22.0	22,300.0	10,858.4		287.8	12.9
S3	23.0	22,300.0	10,835.3		310.0	13.9
S4	24.0	22,800.0	10,990.5		283.0	12.4
S5	25.0	22,600.0	10,977.9		320.4	14.2
S6	26.0	22,700.0	10,912.3		268.2	11.8
S7	27.0	23,100.0	11,263.9		359.1	15.5
S8	28.0	22,400.0	10,860.8		299.1	13.4
S9	29.0	21,800.0	10,625.3		326.9	15.0
S10	30.0	22,000.0	10,709.5		311.9	14.2
				Mean Strength [MPa]:		13.6

Specimen's Characteristics: SHOULDER TEST (S)

Wet 100 % (24 Hours Soaked in Water)

20 % Cement Content

Full Scale Blocks



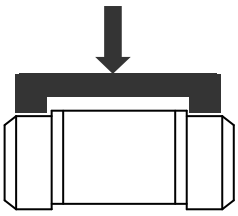
Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
S1	1.0	22,700.0	11,118.5	11,620.0	295.9	13.0
S2	4.0	22,900.0	11,378.3	11,728.2	305.7	13.3
S3	5.0	22,300.0	10,872.2	11,523.1	300.0	13.5
S4	6.0	22,400.0	11,171.9	11,537.1	306.0	13.7
S5	7.0	23,000.0	11,342.9	11,838.3	325.1	14.1
S6	8.0	23,000.0	11,245.5	11,721.0	308.7	13.4
S7	9.0	22,800.0	11,377.4	11,724.9	315.9	13.9
S8	10.0	22,500.0	11,154.2	11,489.8	349.1	15.5
S9						
S10						
				Mean Strength [MPa]:		13.8

Specimen's Characteristics: SHOULDER TEST (S)

100 % Dry (24 Hours Oven Dry)

20 % Cement Content

Full Scale Blocks



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Dry Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
S1	11.0	23,900.0	11,851.6	11,800.0	445.3	18.6
S2	12.0	22,400.0	11,145.8	11,097.5	501.1	22.4
S3	13.0	22,000.0	10,991.8	10,933.3	426.7	19.4
S4	14.0	22,800.0	11,251.9	11,189.4	475.8	20.9
S5	15.0	22,900.0	11,402.1	11,346.7	494.1	21.6
S6	17.0	23,200.0	11,341.3	11,290.2	430.0	18.5
S7	18.0	22,200.0	10,986.0	10,908.9	448.7	20.2
S8	19.0	24,000.0	11,852.9	11,764.9	459.1	19.1
S9	20.0	23,100.0	11,463.5	11,374.5	454.7	19.7
S10						
				Mean Strength [MPa]:		20.0

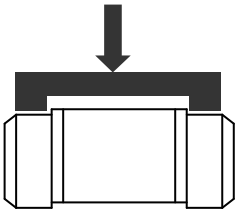
Specimen's Characteristics:

Normal Ambient Condition

20 % Cement Content

Full Scale Blocks

SHOULDER TEST (S)



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
S1	22.0	23,200.0	11,432.3		416.5	18.0
S2	23.0	22,600.0	11,318.1		525.3	23.2
S3	24.0	22,200.0	11,032.8		497.2	22.4
S4	25.0	23,400.0	11,520.1		443.9	19.0
S5	26.0	22,500.0	11,168.6		455.1	20.2
S6	27.0	22,800.0	11,213.2		453.1	19.9
S7	28.0	22,700.0	11,315.6		412.0	18.1
S8	29.0	24,000.0	11,794.2		455.0	19.0
S9	30.0	22,200.0	10,876.5		495.2	22.3
S10						
				Mean Strength [MPa]:		20.2

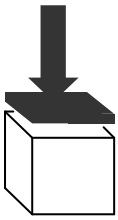
Specimen's Characteristics:

Wet 100 % (24 Hours Soaked in Water)

5 % Cement Content

Top Side of the Block

CUBE TEST (C)



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	1 - Top Left	9,310.0	1,773.8	1,863.0	14.2	1.5
C2	1 - Top Right	9,506.0	1,769.6	1,849.9	14.8	1.6
C3	2 - Top Left	9,212.0	1,795.1	1,880.5	17.8	1.9
C4	2 - Top Right	9,405.0	1,762.1	1,863.2	18.0	1.9
C5	3 - Top Left	9,310.0	1,800.9	1,882.0	21.1	2.3
C6	3 - Top Right	8,820.0	1,772.4	1,853.9	19.6	2.2
C7	4 - Top Left	9,215.0	1,781.7	1,834.5	13.0	1.4
C8	4 - Top Right	9,215.0	1,783.4	1,851.6	12.4	1.3
C9	5 - Top Left	9,215.0	1,795.0	1,913.6	18.2	2.0
C10	5 - Top Right	9,114.0	1,828.8	1,926.8	18.9	2.1
				Mean Strength [MPa]:		1.8

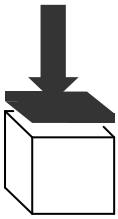
Specimen's Characteristics:

100 % Dry (24 Hours Oven Dry)

5 % Cement Content

Top Side of the Block

CUBE TEST (C)



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Dry Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	6 - Top Left	9,118.0	1,773.6	1,710.2	28.5	3.1
C2	6 - Top Right	9,310.0	1,781.0	1,731.6	29.2	3.1
C3	7 - Top Left	9,408.0	1,803.0	1,721.9	26.6	2.8
C4	7 - Top Right	9,312.0	1,774.9	1,710.2	20.7	2.2
C5	8 - Top Left	9,215.0	1,789.0	1,718.7	25.7	2.8
C6	8 - Top Right	9,310.0	1,804.7	1,748.2	27.5	3.0
C7	9 - Top Left	9,215.0	1,808.4	1,748.8	41.1	4.5
C8	9 - Top Right	9,600.0	1,858.0	1,803.7	43.7	4.6
C9	10 - Top Left	9,506.0	1,785.7	1,707.2	27.0	2.8
C10	10 - Top Right	9,506.0	1,791.7	1,723.7	29.4	3.1
				Mean Strength [MPa]:		3.2

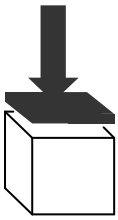
Specimen's Characteristics:

Normal Ambient Condition

5 % Cement Content

Top Side of the Block

CUBE TEST (C)



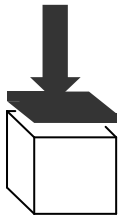
Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	11 - Top Left	9,216.0	1,897.2		15.8	1.7
C2	11 - Top Right	9,215.0	1,812.0		16.9	1.8
C3	12 - Top Left	9,312.0	1,815.4		34.0	3.7
C4	12 - Top Right	9,408.0	1,800.0		33.7	3.6
C5	13 - Top Left	9,408.0	1,809.3		31.9	3.4
C6	13 - Top Right	9,604.0	1,763.4		31.1	3.2
C7	14 - Top Left	9,310.0	1,814.2		14.9	1.6
C8	14 - Top Right	9,216.0	1,777.4		16.2	1.8
C9	15 - Top Left	9,215.0	1,823.4		16.8	1.8
C10	15 - Top Right	9,118.0	1,768.4		18.0	2.0
				Mean Strength [MPa]:		2.5

Specimen's Characteristics: CUBE TEST (C)

Wet 100 % (24 Hours Soaked in Water)

5 % Cement Content

Bottom Side of the Block



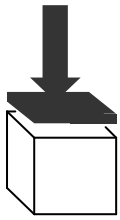
Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	1 - Bottom Left	9,215.0	1,856.2	1,951.8	23.4	2.5
C2	1 - Bottom Right	9,506.0	1,854.6	1,946.0	23.7	2.5
C3	2 - Bottom Left	9,310.0	1,839.6	1,945.5	28.9	3.1
C4	2 - Bottom Right	9,310.0	1,839.3	1,953.2	27.4	2.9
C5	3 - Bottom Left	9,310.0	1,848.8	1,952.5	29.4	3.2
C6	3 - Bottom Right	9,310.0	1,837.7	1,948.5	29.2	3.1
C7	4 - Bottom Left	9,409.0	1,872.6	1,954.1	25.2	2.7
C8	4 - Bottom Right	9,408.0	1,855.0	1,954.4	23.0	2.4
C9	5 - Bottom Left	8,924.0	1,855.4	1,962.1	22.6	2.5
C10	5 - Bottom Right	8,730.0	1,867.4	1,977.0	23.6	2.7
				Mean Strength [MPa]:		2.8

Specimen's Characteristics: CUBE TEST (C)

100 % Dry (24 Hours Oven Dry)

5 % Cement Content

Top Side of the Block



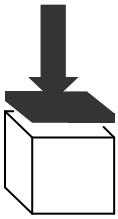
Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Dry Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	6 - Bottom Left	9,310.0	1,864.7	1,831.1	48.9	5.3
C2	6 - Bottom Right	9,310.0	1,864.0	1,822.5	49.2	5.3
C3	7 - Bottom Left	9,409.0	1,848.3	1,804.4	43.2	4.6
C4	7 - Bottom Right	9,408.0	1,854.4	1,803.8	45.7	4.9
C5	8 - Bottom Left	9,408.0	1,881.1	1,847.4	48.2	5.1
C6	8 - Bottom Right	9,408.0	1,881.8	1,835.6	48.1	5.1
C7	9 - Bottom Left	8,918.0	1,876.8	1,825.8	53.3	6.0
C8	9 - Bottom Right	9,500.0	1,884.9	1,829.3	62.1	6.5
C9	10 - Bottom Left	9,310.0	1,851.6	1,809.1	43.3	4.7
C10	10 - Bottom Right	9,405.0	1,873.2	1,821.1	50.2	5.3
				Mean Strength [MPa]:		5.3

Specimen's Characteristics: CUBE TEST (C)

Normal Ambient Condition

5 % Cement Content

Top Side of the Block



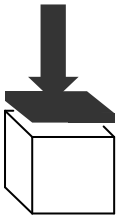
Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	11 - Bottom Left	9,409.0	1,866.0		40.8	4.3
C2	11- Bottom Right	9,025.0	1,839.4		39.5	4.4
C3	12 - Bottom Left	9,408.0	1,844.7		44.5	4.7
C4	12 - Bottom Right	9,408.0	1,860.1		46.8	5.0
C5	33 - Bottom Left	9,408.0	1,875.2		56.8	6.0
C6	33 - Bottom Right	9,702.0	1,871.7		54.0	5.6
C7	14 - Bottom Left	9,312.0	1,873.5		36.3	3.9
C8	14 - Bottom Right	9,215.0	1,872.6		39.8	4.3
C9	15 - Bottom Left	9,506.0	1,885.6		40.8	4.3
C10	15 - Bottom Right	9,506.0	1,871.2		42.8	4.5
				Mean Strength [MPa]:		4.7

Specimen's Characteristics: CUBE TEST (C)

Wet 100 % (24 Hours Soaked in Water)

7 % Cement Content

Top Side of the Block



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	2 - Top Left	9,801.0	1,832.9	2,003.0	34.2	3.5
C2	2 - Top Right	9,900.0	1,838.6	2,025.7	31.7	3.2
C4	4 - Top Right	9,801.0	1,786.8	1,959.4	31.3	3.2
C5	6 - Top Left	9,801.0	1,876.5	2,023.6	34.8	3.6
C6	6 - Top Right	10,000.0	1,871.0	2,035.4	33.3	3.3
C7	8 - Top Left	10,000.0	1,890.3	2,057.4	36.1	3.6
C8	6 - Top Right	9,506.0	1,784.0	1,917.2	37.2	3.9
C9	6 - Top Left	9,310.0	1,770.3	1,905.8	34.6	3.7
C10	8 - Top Right	10,000.0	1,881.6	2,031.1		
				Mean Strength [MPa]:		3.5

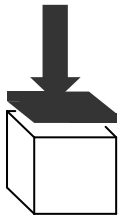
Specimen's Characteristics:

100 % Dry (24 Hours Oven Dry)

7 % Cement Content

Top Side of the Block

CUBE TEST (C)



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Dry Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	1 - Top Left	9,801.0	1,815.4	1,785.2	72.5	7.4
C2	1 - Top Right	9,900.0	1,810.0	1,777.6	79.6	8.0
C3	3 - Top Left	9,801.0	1,812.5	1,775.8	80.9	8.3
C4	3 - Top Right	9,801.0	1,838.3	1,794.2	81.2	8.3
C5	5 - Top Left	9,702.0	1,833.6	1,869.0	70.6	7.3
C6	5 - Top Right	9,702.0	1,821.3	1,792.0	68.9	7.1
C7	7 - Top Left	9,900.0	1,883.5	1,829.9	74.0	7.5
C8	7 - Top Right	9,800.0	1,885.7	1,834.4	77.4	7.9
C9						
C10						
				Mean Strength [MPa]:		7.7

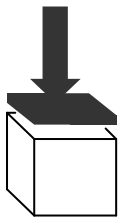
Specimen's Characteristics:

Normal Ambient Condition

7 % Cement Content

Top Side of the Block

CUBE TEST (C)



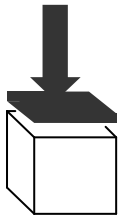
Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	1 - Top Left	9,310.0	1,757.9		47.2	5.1
C2	1 - Top Right	9,118.0	1,769.2		38.8	4.3
C3	2 - Top Left	9,310.0	1,768.3		53.2	5.7
C4	2 - Top Right	9,310.0	1,796.0		45.2	4.9
C5	3 - Top Left	9,506.0	1,751.5		45.3	4.8
C6	3 - Top Right	9,215.0	1,759.1		39.5	4.3
C7	4 - Top Left	9,215.0	1,779.5		61.7	6.7
C8	4 - Top Right	9,408.0	1,786.5		53.3	5.7
C9	5 - Top Left	9,306.0	1,795.9		53.2	5.7
C10	5 - Top Right	9,118.0	1,800.0		50.9	5.6
				Mean Strength [MPa]:		5.3

Specimen's Characteristics: CUBE TEST (C)

Wet 100 % (24 Hours Soaked in Water)

7 % Cement Content

Bottom Side of the Block



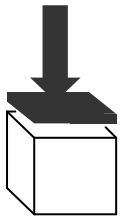
Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	2 - Bottom Left	9,801.0	1,908.3	2,054.7	52.8	5.4
C2	2 - Bottom Right	9,900.0	1,937.2	2,068.8	49.4	5.0
C3	4 - Bottom Left	9,900.0	1,896.3	2,044.7	37.1	3.7
C4	4 - Bottom Right	9,702.0	1,854.6	2,019.1	32.6	3.4
C5	6 - Bottom Left	10,000.0	1,939.1	2,078.0	41.9	4.2
C6	6 - Bottom Right	10,000.0	1,947.4	2,083.1	43.5	4.4
C7	8 - Bottom Left	9,900.0	1,954.8	2,079.5	45.6	4.6
C8	6 - Bottom Right	9,025.0	1,849.0	1,973.0	48.8	5.4
C9	6 - Bottom Left	8,930.0	1,821.4	1,951.0	44.1	4.9
C10	8 - Bottom Right	10,000.0	1,929.8	2,066.4		
				Mean Strength [MPa]:		4.6

Specimen's Characteristics: CUBE TEST (C)

100 % Dry (24 Hours Oven Dry)

7 % Cement Content

Top Side of the Block



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Dry Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	1 - Bottom Left	9,801.0	1,880.0	1,855.0	95.6	9.8
C2	1 - Bottom Right	9,702.0	1,867.0	1,843.8	107.3	11.1
C3	3 - Bottom Left	9,801.0	1,910.4	1,879.8	87.4	8.9
C4	3 - Bottom Right	9,702.0	1,878.9	1,847.6	101.6	10.5
C5	5 - Bottom Left	9,702.0	1,840.1	1,817.6	77.1	7.9
C6	5 - Bottom Right	9,801.0	1,845.5	1,816.4	71.6	7.3
C7	7 - Bottom Left	10,000.0	1,932.8	1,893.7	92.6	9.3
C8	7 - Bottom Right	10,000.0	1,947.0	1,907.8	90.9	9.1
C9						
C10						
				Mean Strength [MPa]:		9.2

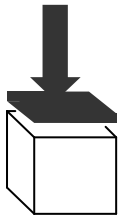
Specimen's Characteristics:

Normal Ambient Condition

7 % Cement Content

Top Side of the Block

CUBE TEST (C)



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	1 - Bottom Left	9,405.0	1,847.8		64.1	6.8
C2	1- Bottom Right	9,215.0	1,826.8		61.0	6.6
C3	2 - Bottom Left	9,025.0	1,839.1		66.3	7.3
C4	2 - Bottom Right	9,025.0	1,837.9		69.0	7.6
C5	3 - Bottom Left	9,216.0	1,857.1		59.0	6.4
C6	3 - Bottom Right	9,310.0	1,836.8		60.0	6.4
C7	4 - Bottom Left	9,405.0	1,846.6		75.4	8.0
C8	4 - Bottom Right	8,649.0	1,845.1		67.6	7.8
C9	5 - Bottom Left	9,025.0	1,839.8		69.4	7.7
C10	5 - Bottom Right	9,120.0	1,840.7		71.3	7.8
				Mean Strength [MPa]:		7.3

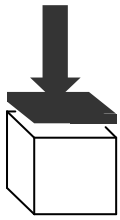
Specimen's Characteristics:

Wet 100 % (24 Hours Soaked in Water)

10 % Cement Content

Top Side of the Block

CUBE TEST (C)



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	2 - Top Left	9,801.0	1,898.7	2,021.1	75.7	7.7
C2	4 - Top Left	9,801.0	1,902.5	2,036.2	77.7	7.9
C3	4 - Top Right	9,801.0	1,933.2	2,037.5	69.5	7.1
C4	6 - Top Left	10,000.0	1,912.3	2,030.1	68.8	6.9
C5	6 - Top Right	9,900.0	1,894.7	2,023.4	63.4	6.4
C6	8 - Top Left	10,000.0	1,940.2	2,072.0	65.1	6.5
C7	6 - Top Right	9,310.0	1,830.2	1,949.8	85.5	9.2
C8	6 - Top Left	9,408.0	1,841.9	1,956.4	82.4	8.8
C9	8 - Top Right	10,000.0	1,933.9	2,054.1		
C10						
				Mean Strength [MPa]:		7.6

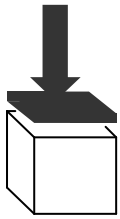
Specimen's Characteristics:

100 % Dry (24 Hours Oven Dry)

10 % Cement Content

Top Side of the Block

CUBE TEST (C)



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Dry Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	1 - Top Left	9,801.0	1,853.0	1,803.5	125.2	12.8
C2	1 - Top Right	9,702.0	1,872.6	1,816.8	114.8	11.8
C3	3 - Top Left	9,800.0	1,870.4	1,820.2	120.7	12.3
C4	3 - Top Right	9,900.0	1,859.2	1,817.2	133.2	13.5
C5	5 - Top Left	10,000.0	1,883.3	1,835.7	105.3	10.5
C6	5 - Top Right	9,801.0	1,871.3	1,831.4	115.5	11.8
C7	7 - Top Left	10,000.0	1,980.2	1,922.2	143.6	14.4
C8						
C9						
C10						
				Mean Strength [MPa]:		12.4

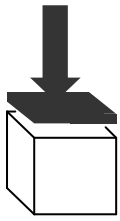
Specimen's Characteristics:

Normal Ambient Condition

10 % Cement Content

Top Side of the Block

CUBE TEST (C)



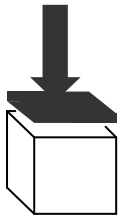
Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	1 - Top Left	9,405.0	1,811.6		82.3	8.8
C2	1 - Top Right	9,702.0	1,821.4		80.5	8.3
C3	2 - Top Left	9,405.0	1,875.3		108.3	11.5
C4	2 - Top Right	9,603.0	1,848.1		102.7	10.7
C5	3 - Top Right	9,405.0	1,806.2		66.0	7.0
C6	4 - Top Right	10,000.0	1,861.9		111.1	11.1
C7	5 - Top Left	9,500.0	1,840.5		107.4	11.3
C8	5 - Top Right	9,310.0	1,842.0		110.4	11.9
C9						
C10						
				Mean Strength [MPa]:		10.1

Specimen's Characteristics: CUBE TEST (C)

Wet 100 % (24 Hours Soaked in Water)

10 % Cement Content

Bottom Side of the Block



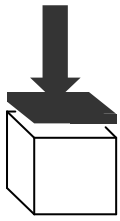
Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	2 - Bottom Left	9,801.0	1,933.8	2,048.7	80.3	8.2
C2	2 - Bottom Right	10,000.0	1,971.3	2,062.3	78.9	7.9
C3	4 - Bottom Left	9,801.0	1,977.4	2,088.7	95.0	9.7
C4	4 - Bottom Right	9,900.0	1,910.6	2,050.1	76.7	7.7
C5	6 - Bottom Left	10,201.0	2,030.0	2,136.4	84.0	8.2
C6	6 - Bottom Right	10,000.0	1,998.2	2,113.2	72.3	7.2
C7	8 - Bottom Left	10,000.0	2,005.0	2,103.0	74.2	7.4
C8	6 - Bottom Right	9,506.0	1,898.6	2,006.3	97.0	10.2
C9	6 - Bottom Left	9,312.0	1,885.6	1,997.3	98.0	10.5
C10	8 - Bottom Right	10,000.0	1,990.9	2,101.7		
				Mean Strength [MPa]:		8.6

Specimen's Characteristics: CUBE TEST (C)

100 % Dry (24 Hours Oven Dry)

10 % Cement Content

Top Side of the Block



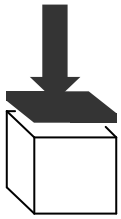
Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Dry Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	1 - Bottom Left	9,900.0	1,948.3	1,914.5	135.7	13.7
C2	1 - Bottom Right	10,000.0	1,946.6	1,913.7	140.5	14.1
C3	3 - Bottom Left	9,801.0	1,957.2	1,911.8	152.0	15.5
C4	3 - Bottom Right	10,000.0	1,942.4	1,900.9	161.4	16.1
C5	5 - Bottom Left	9,900.0	1,954.1	1,920.9	136.9	13.8
C6	5 - Bottom Right	9,900.0	1,933.5	1,898.0	110.7	11.2
C7	7 - Bottom Left	9,800.0	1,954.2	1,908.0	144.5	14.7
C8	7 - Bottom Right	10,000.0	1,953.0	1,915.6	145.9	14.6
C9						
C10						
				Mean Strength [MPa]:		14.2

Specimen's Characteristics: CUBE TEST (C)

Normal Ambient Condition

10 % Cement Content

Top Side of the Block



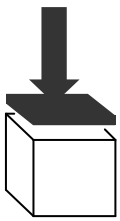
Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	1 - Bottom Left	9,604.0	1,909.7		114.7	11.9
C2	1- Bottom Right	9,215.0	1,898.7		118.2	12.8
C3	2 - Bottom Left	9,215.0	1,909.7		117.9	12.8
C4	2 - Bottom Right	9,310.0	1,880.0		124.1	13.3
C5	3 - Bottom Left	9,506.0	1,886.3		108.7	11.4
C6	3 - Bottom Right	9,603.0	1,879.5		105.4	11.0
C7	4 - Bottom Left	9,604.0	1,921.1		135.3	14.1
C8	4 - Bottom Right	9,310.0	1,888.5		124.7	13.4
C9	5 - Bottom Left	9,025.0	1,877.8		131.9	14.6
C10	5 - Bottom Right	9,312.0	1,865.6		126.7	13.6
				Mean Strength [MPa]:		12.9

Specimen's Characteristics: CUBE TEST (C)

Wet 100 % (24 Hours Soaked in Water)

20 % Cement Content

Top Side of the Block



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	1 - Top Left	9,702.0	1,880.9	1,974.3	105.3	10.9
C2	1 - Top Right	9,800.0	1,897.7	1,984.4	102.0	10.4
C3	2 - Top Right	9,000.0	1,923.7	2,002.1	106.7	11.9
C4	3 - Top Left	9,603.0	1,894.4	1,969.2	109.8	11.4
C5	3 - Top Right	9,700.0	1,907.8	1,988.5	99.2	10.2
C6	4 - Top Left	9,405.0	1,926.7	2,019.4	95.2	10.1
C7	4 - Top Right	9,700.0	1,942.4	2,031.1	111.5	11.5
C8	5 - Top Left	9,405.0	1,918.8	1,998.3	102.1	10.9
C9	5 - Top Right	9,800.0	1,924.6	2,011.5	106.4	10.9
C10						
				Mean Strength [MPa]:		10.9

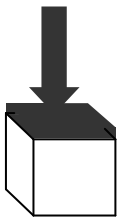
Specimen's Characteristics:

100 % Dry (24 Hours Oven Dry)

20 % Cement Content

Top Side of the Block

CUBE TEST (C)



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Dry Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	6 - Top Left	9,702.0	1,950.4	1,928.2	176.3	18.2
C2	6 - Top Right	9,000.0	1,921.7	1,901.8	155.8	17.3
C3	7 - Top Left	9,405.0	1,931.0	1,904.1	154.2	16.4
C4	7 - Top Right	9,700.0	1,885.2	1,866.8	142.5	14.7
C5	8 - Top Left	9,408.0	1,890.7	1,862.9	153.4	16.3
C6	8 - Top Right	9,405.0	1,916.1	1,893.5	156.0	16.6
C7	9 - Top Left	9,408.0	1,947.5	1,918.9	173.8	18.5
C8	9 - Top Right	8,800.0	1,896.3	1,876.8	152.9	17.4
C9	10 - Top Left	9,310.0	1,916.3	1,881.2	171.7	18.4
C10	10 - Top Right	9,405.0	1,890.0	1,860.5	170.1	18.1
				Mean Strength [MPa]:		17.2

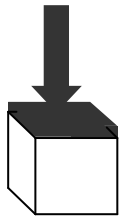
Specimen's Characteristics:

Normal Ambient Condition

20 % Cement Content

Top Side of the Block

CUBE TEST (C)



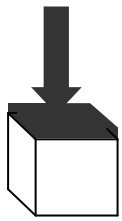
Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	11 - Top Left	9,506.0	1,879.9		175.3	18.4
C2	11 - Top Right	9,300.0	1,930.4		144.7	15.6
C3	13 - Top Left	9,800.0	1,947.6		178.6	18.2
C4	13 - Top Right	9,310.0	1,971.5		178.2	19.1
C5	14 - Top Left	9,016.0	1,914.6		141.4	15.7
C6	14 - Top Right	9,310.0	1,901.7		143.2	15.4
C7	15 - Top Left	9,603.0	1,870.8		157.2	16.4
C8	15 - Top Right	9,000.0	1,926.5		173.5	19.3
C9						
C10						
				Mean Strength [MPa]:		17.3

Specimen's Characteristics: CUBE TEST (C)

Wet 100 % (24 Hours Soaked in Water)

20 % Cement Content

Bottom Side of the Block



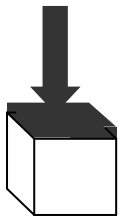
Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	1 - Bottom Left	9,405.0	1,996.8	2,059.7	129.9	13.8
C2	1 - Bottom Right	9,700.0	1,952.7	2,021.3	125.7	13.0
C3	2 - Bottom Left	8,730.0	1,927.1	1,991.9	132.1	15.1
C4	2 - Bottom Right	9,600.0	1,972.7	2,036.5	137.8	14.4
C5	3 - Bottom Left	9,604.0	1,958.8	2,026.2	130.3	13.6
C6	4 - Bottom Left	9,506.0	2,009.8	2,089.8	133.3	14.0
C7	4 - Bottom Right	9,800.0	1,994.3	2,047.1	146.1	14.9
C8	5 - Bottom Left	9,408.0	1,940.0	1,990.0	147.6	15.7
C9	5 - Bottom Right	9,603.0	1,933.4	1,988.8	148.4	15.5
C10						
				Mean Strength [MPa]:		14.4

Specimen's Characteristics: CUBE TEST (C)

100 % Dry (24 Hours Oven Dry)

20 % Cement Content

Top Side of the Block



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Dry Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	6 - Bottom Left	9,405.0	2,009.0	1,993.4	201.6	21.4
C2	6 - Bottom Right	9,405.0	1,993.7	1,976.8	194.5	20.7
C3	7 - Bottom Left	9,207.0	1,963.5	1,945.8	185.8	20.2
C4	7 - Bottom Right	9,400.0	1,933.2	1,912.4	181.7	19.3
C5	8 - Bottom Left	9,409.0	1,977.0	1,958.9	185.5	19.7
C6	8 - Bottom Right	8,820.0	1,905.3	1,887.5	201.7	22.9
C7	9 - Bottom Left	8,640.0	1,948.5	1,930.4	192.1	22.2
C8	9 - Bottom Right	9,500.0	1,999.1	1,981.0	204.2	21.5
C9	10 - Bottom Left	9,800.0	1,965.0	1,941.3	208.9	21.3
C10	10 - Bottom Right	10,000.0	1,967.3	1,942.1	218.3	21.8
				Mean Strength [MPa]:		21.1

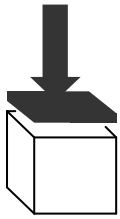
Specimen's Characteristics:

Normal Ambient Condition

20 % Cement Content

Top Side of the Block

CUBE TEST (C)



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	11 - Bottom Left	8,910.0	1,914.5		184.4	20.7
C2	11- Bottom Right	9,500.0	1,938.4		152.0	16.0
C3	12 - Bottom Left	9,216.0	1,850.0		138.7	15.0
C4	33 - Bottom Left	9,600.0	1,972.6		174.1	18.1
C5	33 - Bottom Right	8,820.0	1,944.1		187.3	21.2
C6	14 - Bottom Left	9,118.0	1,986.6		167.9	18.4
C7	14 - Bottom Right	9,500.0	1,983.2		200.2	21.1
C8	15 - Bottom Left	9,310.0	1,909.3		156.6	16.8
C9	15 - Bottom Right	9,500.0	1,988.2		183.0	19.3
C10						
				Mean Strength [MPa]:		18.5

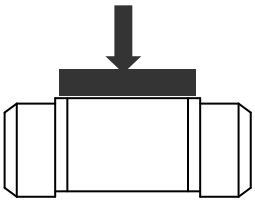
Specimen's Characteristics:

Wet 100 % (24 Hours Soaked in Water)

15 % Cement Content

Full Scale Blocks

CENTRE TEST (C)



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	1.0	22,700.0			114.9	5.1
C2	2.0	22,700.0			153.2	6.7
C3	3.0	20,500.0			123.7	6.0
C4	4.0	23,300.0			160.2	6.9
C5	5.0	22,600.0			149.0	6.6
C6	6.0	22,500.0			138.2	6.1
C7	7.0	23,200.0			141.4	6.1
C8	8.0	22,600.0			133.2	5.9
C9	9.0	22,500.0			133.1	5.9
C10						
				Mean Strength [MPa]:		6.2

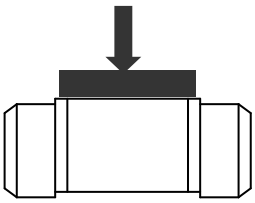
Specimen's Characteristics:

100 % Dry (24 Hours Oven Dry)

15 % Cement Content

Full Scale Blocks

CENTRE TEST (C)



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Dry Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
C1	1.0	22,300.0			245.4	11.0
C2	2.0	22,300.0			259.4	11.6
C3	3.0	22,800.0			247.7	10.9
C4	4.0	22,800.0			223.5	9.8
C5	5.0	22,100.0			197.1	8.9
C6	6.0	22,800.0			255.6	11.2
C7	7.0	22,900.0			256.1	11.2
C8	8.0	22,700.0			253.2	11.2
C9	9.0	23,500.0			186.3	7.9
C10						
				Mean Strength [MPa]:		10.4

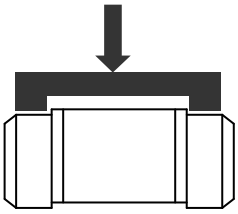
Specimen's Characteristics:

Wet 100 % (24 Hours Soaked in Water)

15 % Cement Content

Full Scale Blocks

SHOULDER TEST (S)



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Wet Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
S1	10.0	21,600.0			198.3	9.2
S2	11.0	22,000.0			210.5	9.6
S3	12.0	23,000.0			288.2	12.5
S4	13.0	22,900.0			237.2	10.4
S5	14.0	23,000.0			248.0	10.8
S6	15.0	22,900.0			237.6	10.4
S7	16.0	22,400.0			199.6	8.9
S8	17.0	22,800.0			260.9	11.4
S9	18.0	23,100.0			215.2	9.3
S10						
				Mean Strength [MPa]:		10.3

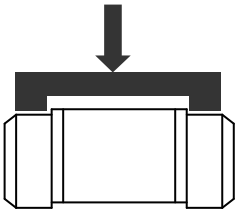
Specimen's Characteristics:

100 % Dry (24 Hours Oven Dry)

15 % Cement Content

Full Scale Blocks

SHOULDER TEST (S)



Sample	Block Number	Net Area [mm2]	Normal Weight [g]	Dry Weight [g]	Failure Load [kN]	Compressive Strength [MPa]
S1	1.0	23,000.0			363.2	15.8
S2	2.0	22,600.0			361.0	16.0
S3	3.0	22,500.0			387.2	17.2
S4	4.0	23,500.0			358.4	15.3
S5	5.0	23,000.0			410.0	17.8
S6	6.0	23,200.0			425.0	18.3
S7	7.0	21,300.0			360.9	16.9
S8	8.0	22,400.0			431.1	19.2
S9	9.0	22,500.0			372.6	16.6
S10						
				Mean Strength [MPa]:		17.0