

Must be typewritten

Scan Code ESHS9238942

CB No 403

Concrete Testing Lab Lic Number 64

	Material Type	Material Source	ASTM Standard			
Cementitious #1 (lbs)	Cement	Essex Type I/II	C-150	480 lbs.	lbs.	lbs.
Cementitious #2 (lbs)	Slag	Lehigh Allcem	C-989	320 lbs	lbs.	lbs.
Cementitious #3 (lbs)				lbs	lbs.	lbs.
Fine Aggregate (lbs)	Sand	LI Natural	C-33	1325 lbs	lbs.	lbs.
Coarse Aggregate #1 (lbs)	Stone	Tilcon #57	C-33	1275 lbs.	lbs.	lbs.
Coarse Aggregate #2 (lbs)	Stone	Tilcon #8	C-33	425 lbs.	lbs.	lbs.
Coarse Aggregate #3 (lbs)				lbs.	lbs.	lbs.
Amount of Water (gals)	Water	NYC	C-94	33.0 gals	gals.	gals.
Admixture #1 (oz)	Air	Sika Air	C-260	0.0 oz	oz	oz
Admixture #2 (oz)	HRWR	Sika Viscocrete 2100	C-494	48.0 oz	oz	oz
Admixture #3 (oz)	HRWR	Sika Sikatard 440	C-494	20.0 oz	oz	oz
Other	SUPPLIER MAY ADJUST	ADMIXTURE AS PER	NYC DOB			
Water-Cement Ratio	BULLETIN 2010-018			0.344		
Slump/Spread (inches $\pm$ tolerance)				7.0 $\pm$ 1"	$\pm$	$\pm$
Air Content (% $\pm$ tolerance)				2.0 $\pm$ 1.5	% $\pm$	% $\pm$
Unit Weight (lbs./ft ³)				150.0 lbs./ft ³	lbs./ft ³	lbs./ft ³

4 Concrete Testing Lab Director's Statement and Signature *Required for all applications*

I hereby state that the above information is correct and complete to the best of my knowledge and that the above tests were performed in accordance with all Administrative Code Provisions and Departmental Rules, Regulations and Directives

Falsification of any statement is a misdemeanor and is punishable by a fine or imprisonment, or both

It is unlawful to give to a city employee, or for a city employee to accept, any benefit, monetary or otherwise, either as a gratuity for properly performing the job or in exchange for special consideration. Violation is punishable by imprisonment or fine or both

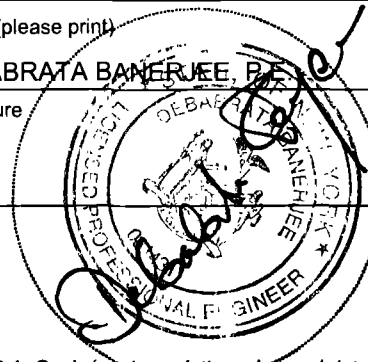
Name (please print)

DEBABRATA BANERJEE, P.E.

Signature

Date

07-16-18



P.E. / R.A. Seal (apply seal, then sign and date over seal)

5 Concrete Producer's Statement and Signature *Required for all applications. Must be filled out by Owner of Production Facility.*

I certify that the material type and source in section 3 above are available at my facility and that I will use such materials to produce the concrete mix(es) specified in section 3. I further certify that I will produce and deliver such mix(es) to the project site in accordance with the applicable code provisions of the NYC construction codes and that such mix(es) are appropriate for the placement conditions for the project identified in section 1 above (BC 1905.8.2).

Name (print)

John Vasilantonakis

Title

OWNER

Signature

Date

7/20/18

NRMCA Certification Expiration Date (BC 1095.8.2)

11/17/19

Business Name Corona Ready Mix, INC

Business Telephone (718) 271-5940

Business Address 50-25 97th Place

Business Fax: (718) 271-3679

City Corona

State NY

Zip 11368

6 Design Applicant's Statement and Signature *Required for all applications. Must be filled out by P.E./R.A. responsible for plans.*

I certify I have reviewed the concrete design mix(es) reported by the licensed testing lab and found them to be in compliance with the approved construction documents (BC 1905.6).

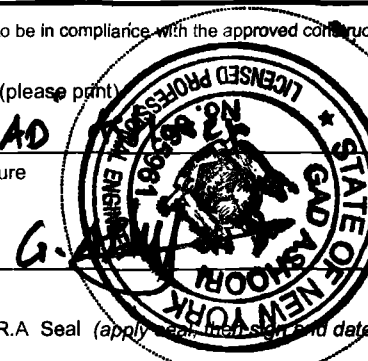
Name (please print)

GAD

Signature

Date

8/16/18



P.E. / R.A. Seal (apply seal, then sign and date over seal)

7 Building Owner's Statement and Signature *Required for all applications.*

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Name (print)

Title

Signature

Date

8/20/18

IMPACT

Concrete & Control Inspections, INC.
15-46 129th Street, College Point, New York 11356
Tel: (718) 939-7774 Fax: (718) 939-6444

The City of New York Department of Buildings Concrete Testing Laboratory Licence # 64
CONCRETE MIX DESIGN REPORT

CLIENT:	Moncon Inc.	DATE:	9/30/16
		Expire On	9/30/2018
Project:	Impact Reference Mix for Its client for Project 112-16 Astoria Boulevard, Queens	MIX TYPE:	HS
		METHOD:	rial
Supplier:	Corona Ready Mix	SAMPLED BY:	Impact
		DELIVERED BY:	Impact

8000 psi + 1500 A.E. Concrete Pump @ 28 Days

Product	Source & Type	ASTM	S.G.	NYS Source No.
Cement	EssexType I/II	ASTM C150	3.15	
Slag	Lehigh Allcem	ASTM C989	2.88	
Fly Ash	-	ASTM C618	2.20	
Silica Fume	-	ASTM C1240	2.20	
Fine Agg.	LI Natural (Coram)	ASTM C33	2.63	
Coarse Agg.	Tilcon (#57 Stone)(Blend of 1275 Lb #57 +425 lb #8 Sto	ASTM C33	2.80	
Water	NYC Potable	ASTM C94	1.00	
Admixture 1	SikaAir	ASTM C260		
Admixture 2	Sika - Viscocrete 2100	ASTM C494		
Admixture 3	Sikatarad 440			

Recommended Mix Design

Cement (lbs.)	510
Slag (lbs.)	340
Fly Ash (lbs.)	0
Microsilica (lbs.)	0
Fine Agg. (lbs.)	1275
Coarse Agg. (lbs.)	1700
Water (gals.)	33.0
Admixture 1 (oz.)	0.0
Admixture 2 (oz.)	51.0
Admixture 3 (oz.)	25.0
Slump (in.)	7" +/- 1"
Air Content (%)	2 % +/-1.5%
U. Wt. P.C.F.	155.2
W/C Ratio	0.323

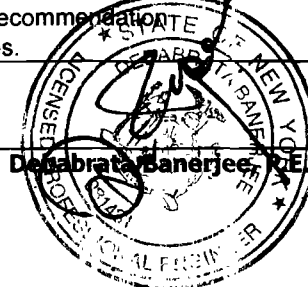
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Sacks 9.04

Only Corona Can Adjust Admixture per

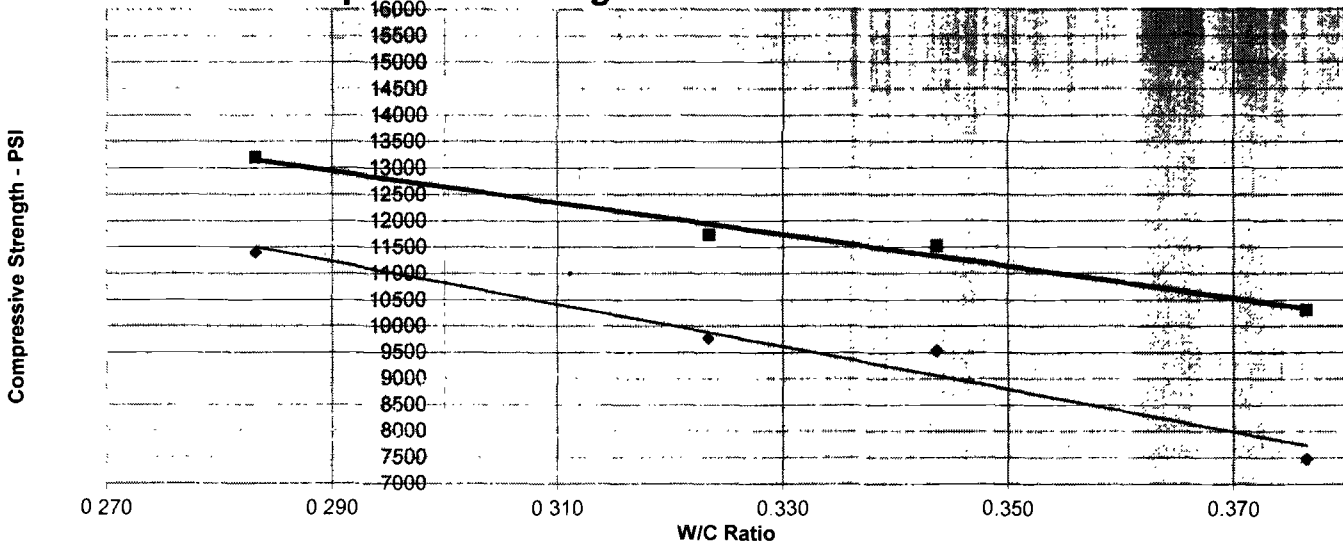
NYC DOB Bulletin 2010-018 Dated 6/18/10

As per NYC Bulletin 2010-018 Hydration Control Admixture
Sikatarad 440 may be added to the mix per manufacturer's
recommendation to extend the hauling time, as well as using it
in Hot Weather. Non chloride accelerator Plastocrete 161FI
can be added as per manufacturer's recommendation
for Cold Weather Concrete Procedures.



(3" Max Slump before add admixture #2)

Compressive Strength vs. Water Cement Ratio



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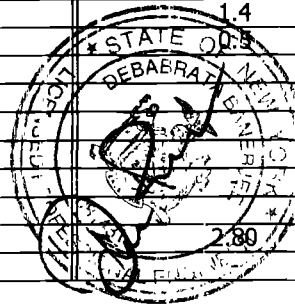
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		METHOD:	rial
		SAMPLED BY:	Impact
		DELIVERED BY:	Impact

8000 psi + 1500 A.E. Concrete Pump @ 28 Days

**Aggregate Gradation
Passing Percent Finer**

Sieve Size	Fine Aggregates	CA #57 stone	C-33	C-33
2"				
1 1/2"		100.00		100
1"		100		95-100
3/4"				
1/2"		27.6		25-80
3/8"	100.0		100	
# 4	99.4	1.4	95-100	0-10
# 8	91.3		80-100	0-5
# 16	78.0		50-85	
# 30	46.5		25-60	
# 50	17.0		5-30	
# 100	3.0		0-10	
FM	2.65			
Unit Weight Dry Rodded				
Specific Gravity	2.63	2.89		
Colometric Test	Plate # 1			



TRIAL MIXES - DRY BATCH WEIGHTS (lbs./Cubic Yards)

Point	Yield	Cement	Slag	FlyAsh	Silica	F.A.	C.A.	Water	Adx 1	Adx 2	Adx 3	Unit Wt.	Slump	W/C	Air %
1	26.9	423	285	0	0	1420	1700	32.0	0.0	42.0	15.0	148.0	8.50	0.376	3.2
2	27.0	480	320	0	0	1325	1700	33.0	0.0	48.0	20.0	150.0	9.00	0.344	1.8
3	26.9	510	340	0	0	1275	1700	33.0	0.0	51.0	25.0	155.2	9.00	0.323	0.8
4	27.0	600	400	0	0	1140	1700	34.0	0.0	60.0	30.0	150.0	9.00	0.283	0.5

COMPRESSIVE STRENGTH RESULTS (ASTM C39) - P.S.I. (4" x8" Cylinders)

Point	w/c ratio	7 Days Results	Average	28 Days Results	Average
1	0.376	7897	7045	7471	10425
2	0.344	10044	9029	9537	11671
3	0.323	9906	9631	9769	11963
4	0.283	11594	11208	11401	13193

Point	w/c ratio	3 Days Results	Average	56 Days Results	Average
1	0.376	7649	7001	7325	11602
2	0.344	10082	9466	9774	11843
3	0.323	9041	9002	9022	12921
4	0.283	11588	10455	11022	14757