



Innovations that work.™

ACN 109 200 900

Australian Securities Exchange Announcement

9 July 2026

EdenCrete® Presented at International CO₂ Reduction Symposium

HIGHLIGHTS

- **Eden Innovations' Chief Scientist and Managing Director, Dr Allan Godsk Larsen was invited to speak at the Aarhus Power-to-X (PtX) Symposium 2026 in Denmark.**
- **Dr Larsen presented Eden's carbon nanotube (CNT) technology and EdenCrete® in a session dedicated to "CO₂-to-Building Materials" and reducing the CO₂ footprint of construction.**
- **Organised by Aarhus University and leading Danish research institutions, the annual symposium brought together two hundred industry leaders and researchers, primarily from Europe.**
- **EdenCrete® concrete admixtures enhance concrete performance using carbon nanotubes and are highly relevant to the global drive to de-carbonise construction materials, offering one of the greatest opportunities to reduce their CO₂ footprints.**
- **The invitation places Eden alongside world-leading universities, technology companies, and government agencies working to advance net-zero solutions, reinforcing Eden as a recognised innovator in sustainable construction materials.**

DETAILS

Eden Innovations Ltd ("Eden") (ASX: EDE) is pleased to advise that its Chief Scientist and Managing Director, Dr Allan Godsk Larsen, was invited as a speaker at the annual Aarhus Power-to-X (PtX) Symposium 2026, one of Europe's leading forums uniting industry and academia around new solutions for the green energy transition.

About the Aarhus PtX Symposium

The Aarhus Power-to-X Symposium, held in Denmark on 24-25 June 2026, is an annual international conference held at Aarhus University, Denmark, bringing together stakeholders from across the Power-to-X ecosystem. The 2026 Symposium focused on technology development, system integration, and the commercialisation of Power-to-X and carbon capture and utilisation (CCU) technologies.

The Symposium was organised by Aarhus University's Biological and Chemical Engineering department and CO₂ Research Centre (CORC), Aalborg University, the Danish Centre for Energy Storage (DaCES), Danish Technological Institute (DTI), and IDA (the Danish Society of Engineers), collectively representing the core of Denmark's national research and industry capability in sustainable energy.



Photo of Dr Allan Larsen, Managing Director presenting at the Aarhus PtX Symposium

CO₂-to-Building Materials Session

Dr Larsen was invited to present as part of the "CO₂-to-Building Materials"-session. The session brought together leading researchers and industry representatives to examine how the CO₂ footprint of existing building materials can be:

- reduced by implementation of nanotechnology and, if captured:
- carbon can become part of new building materials with the potential to combine sustainability, performance, and industrial scale.

The session specifically addressed why construction represents one of the largest scale opportunities for CO₂-derived materials, how carbon-based materials can add value beyond existing solutions, and what is required to move promising materials science into credible construction applications in a sector under intense pressure to de-carbonize.

Eden's Presentation

Dr Larsen's presentation covered Eden's CNT production technology and examples of how EdenCrete®, Eden's carbon nanotube-enriched concrete additive, are already significantly reducing the CO2 footprint and use of high energy material in construction work by enabling the reduced usage of high energy materials and cement, whilst increasing durability and extending service life.

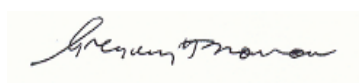
The invitation for Eden to present at the Aarhus PtX Symposium reflects growing international recognition of Eden as a pioneer in carbon-enhanced construction materials, and provided valuable exposure to European industry, research funding bodies, and potential commercial partners actively working at the intersection of carbon capture and sustainable.

A copy of the presentation is provided as an appendix to this announcement.

CONCLUSION

Eden's invitation to present at the Aarhus Power-to-X Symposium 2026 reinforces the Company's position at the forefront of sustainable construction materials innovation. With EdenCrete® already demonstrating strong trial results across multiple markets around the world, and with growing global momentum behind the de-carbonisation of the construction sector, Eden is well placed to capitalise on the convergence of CO₂ reduction and the growing demand for high-performance concrete.

Eden looks forward to further engagement with the European PtX and construction materials communities as the Company advances its global commercialisation activities.



Gregory H. Solomon

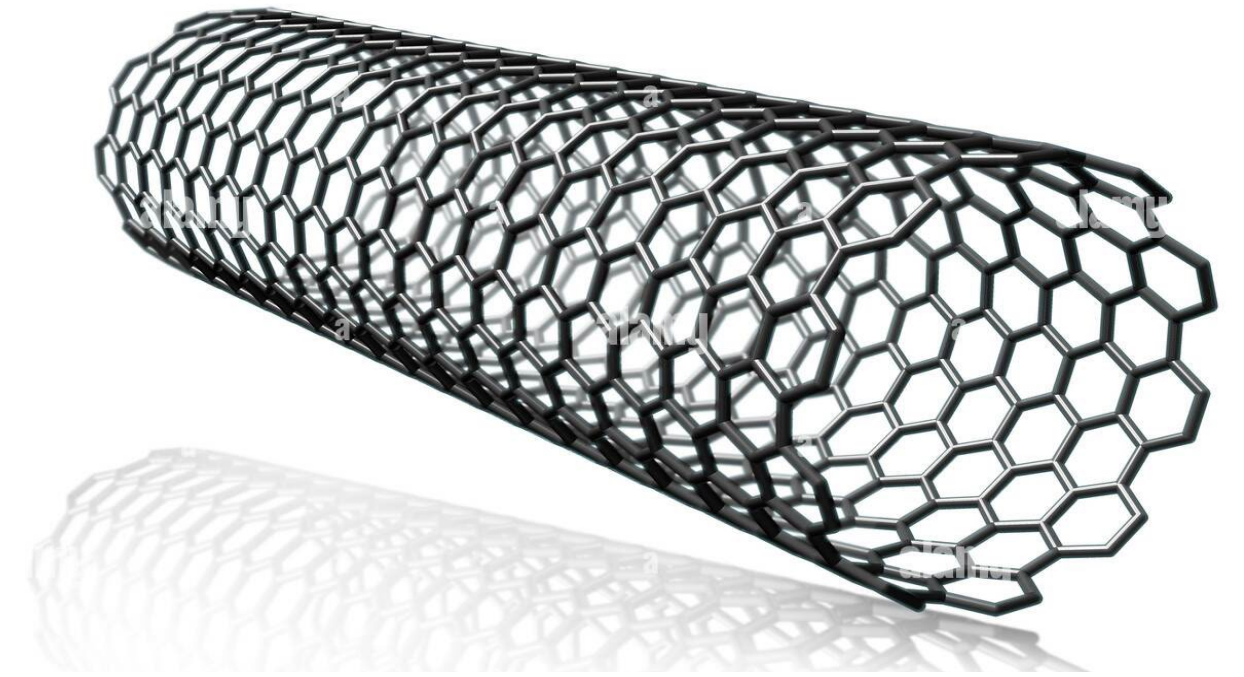
Executive Chairman

This announcement was authorised by the above signatory.

For further information please contact Greg Solomon at +61 8 9282 5889.

Eden Innovations

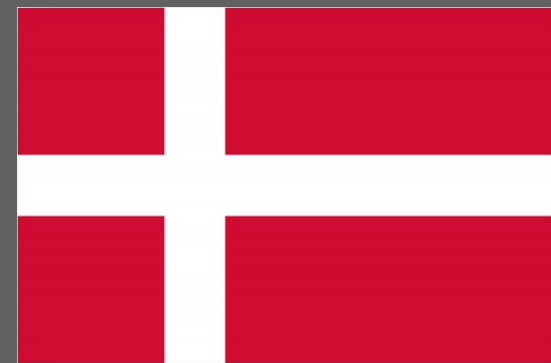
Advanced Materials and Energy Systems



Presenting at:

Power-to-X Symposium 2026

Helnan Marselis Hotel, Aarhus, Denmark



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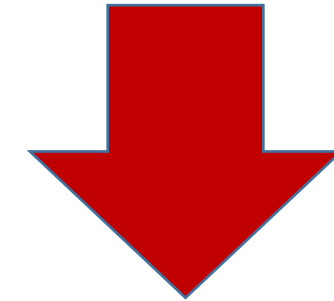
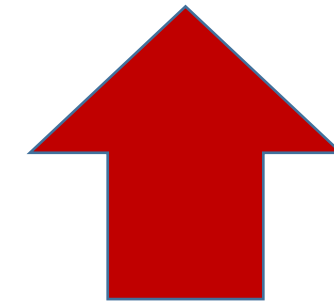
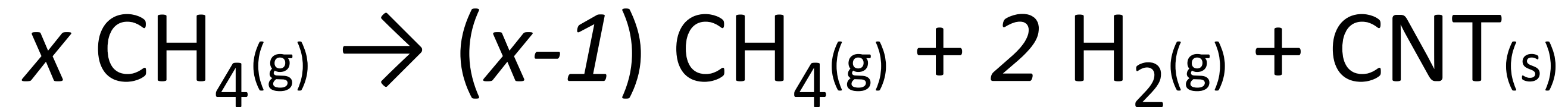
It started with H₂ production:



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H₂ is now the byproduct, CNT the target

Asphalt, Batteries, Coatings, Composites, Rubber, Supercapacitors etc.



Concrete and plastics

Carbon Nanotubes:

Properties:

Extreme mechanical strength
Exceptional electrical (semi-)conductors
Optically “perfect” black
Thermal conductor

Predicted to revolutionize the world!

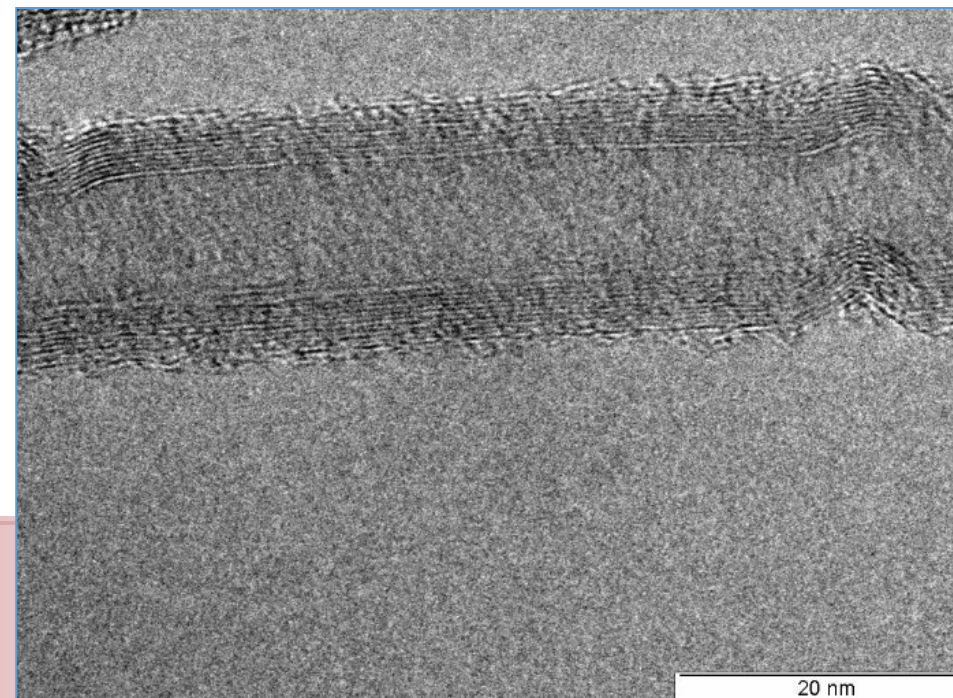
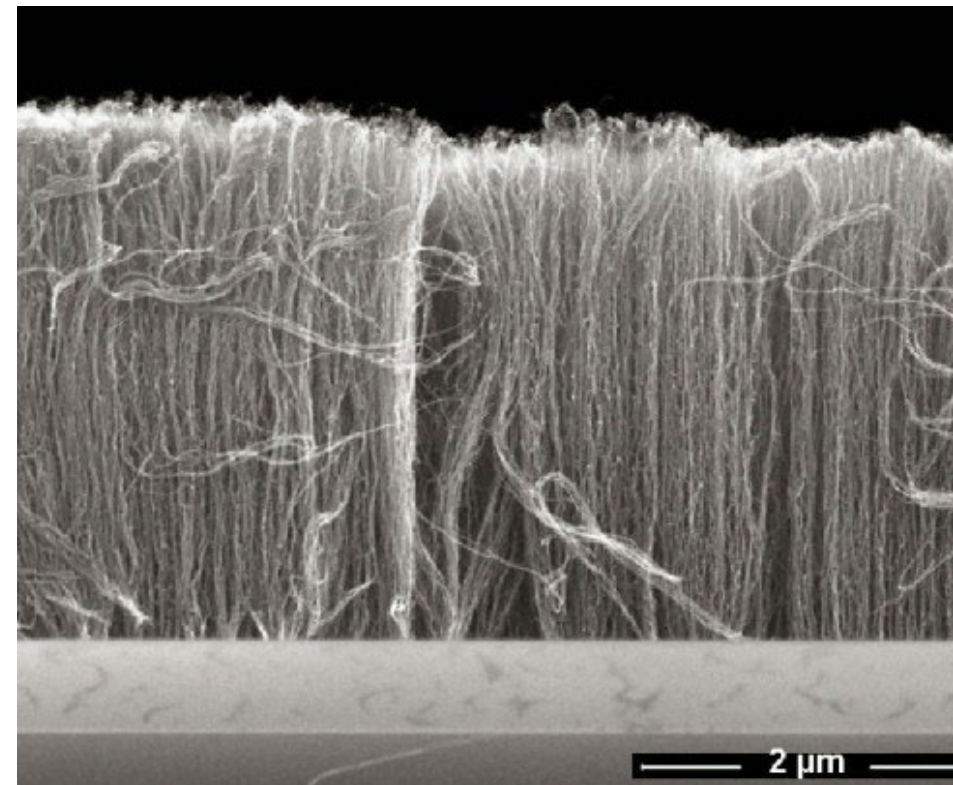
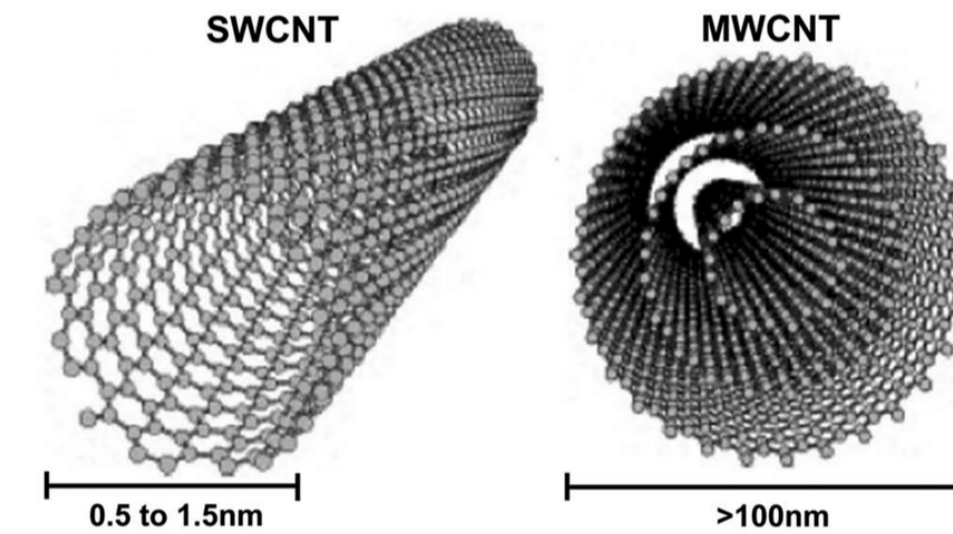
Approx. 10,000 scientific papers published in the 1990s
Approx. 80,000 papers during the 2000s
Approx. 80,000 papers during the 2010s

Challenges:

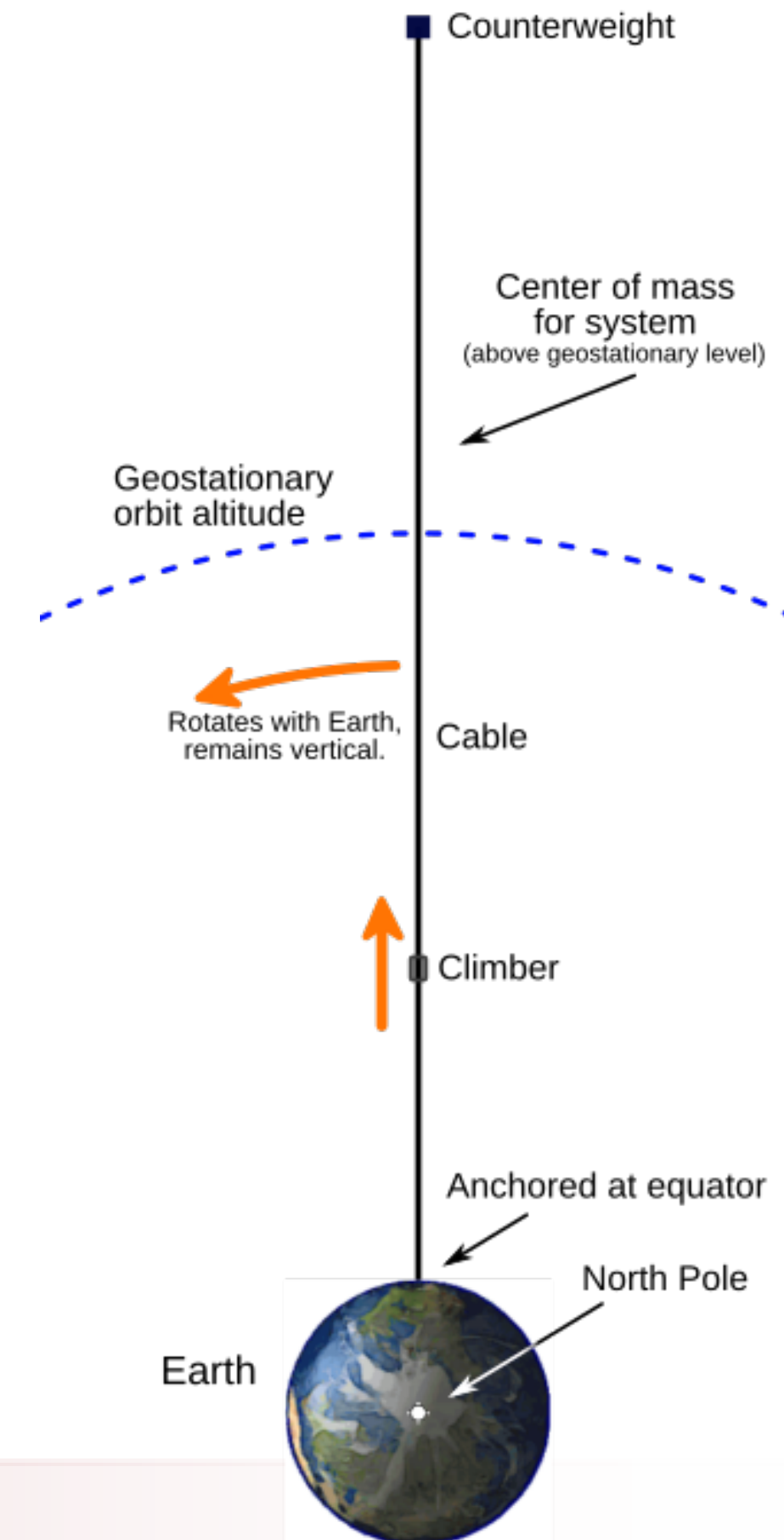
Cost, cost, and cost
Complicated and slow to produce
Complicated to use
Challenge to integrate in real world applications

Eden's Solutions:

Produce CNT cheaper than anyone else
Ton scale production – Unique approach
Applications found and integration solved



Space Elevator

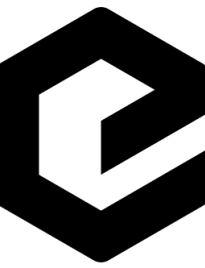


Suspension and Dispersion: Integration

Potentially as difficult as making the CNTs in the first place

A good dispersion ensures CNT stability in the solution

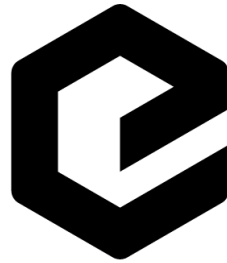
A good dispersion optimizes performance of each individual CNT



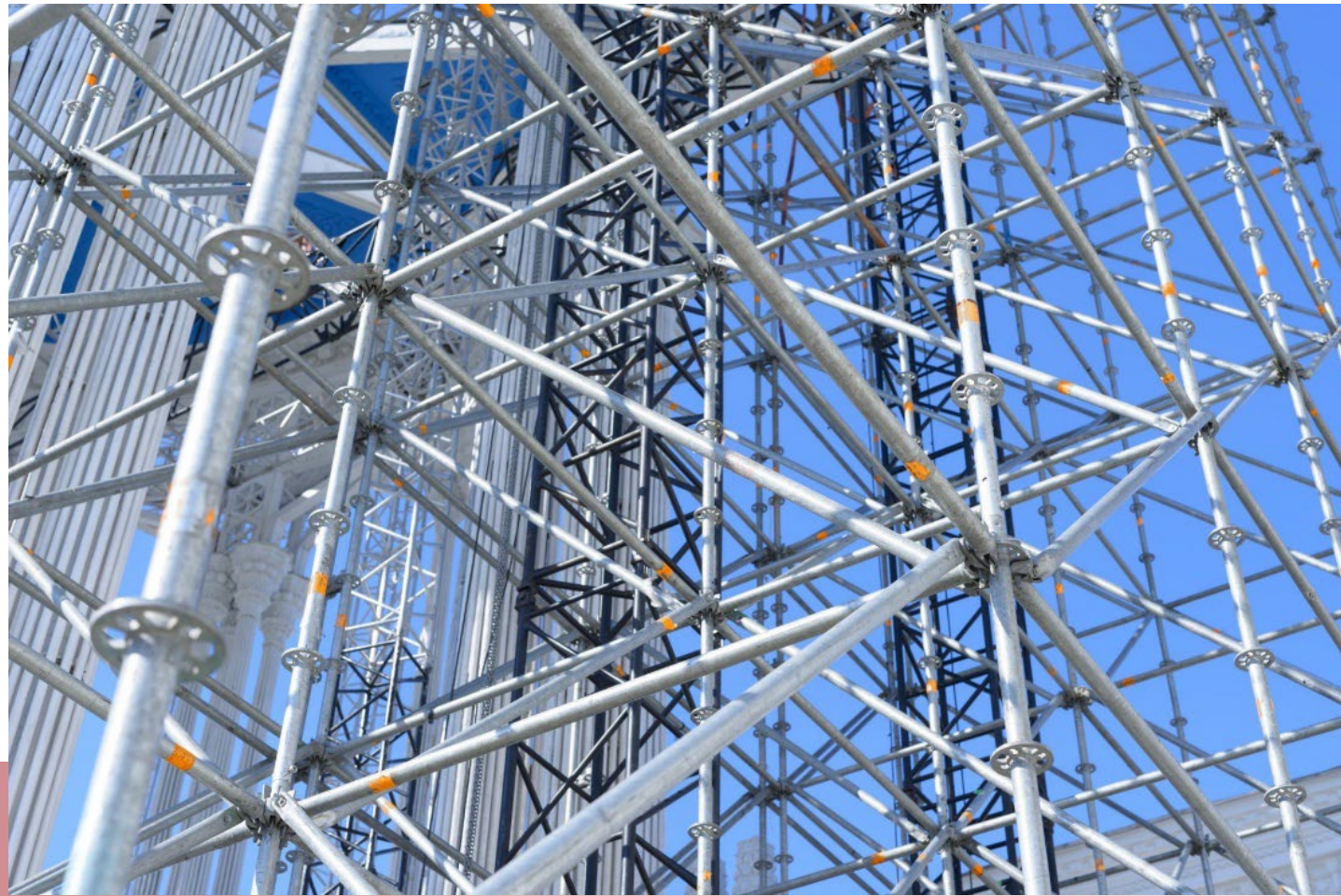
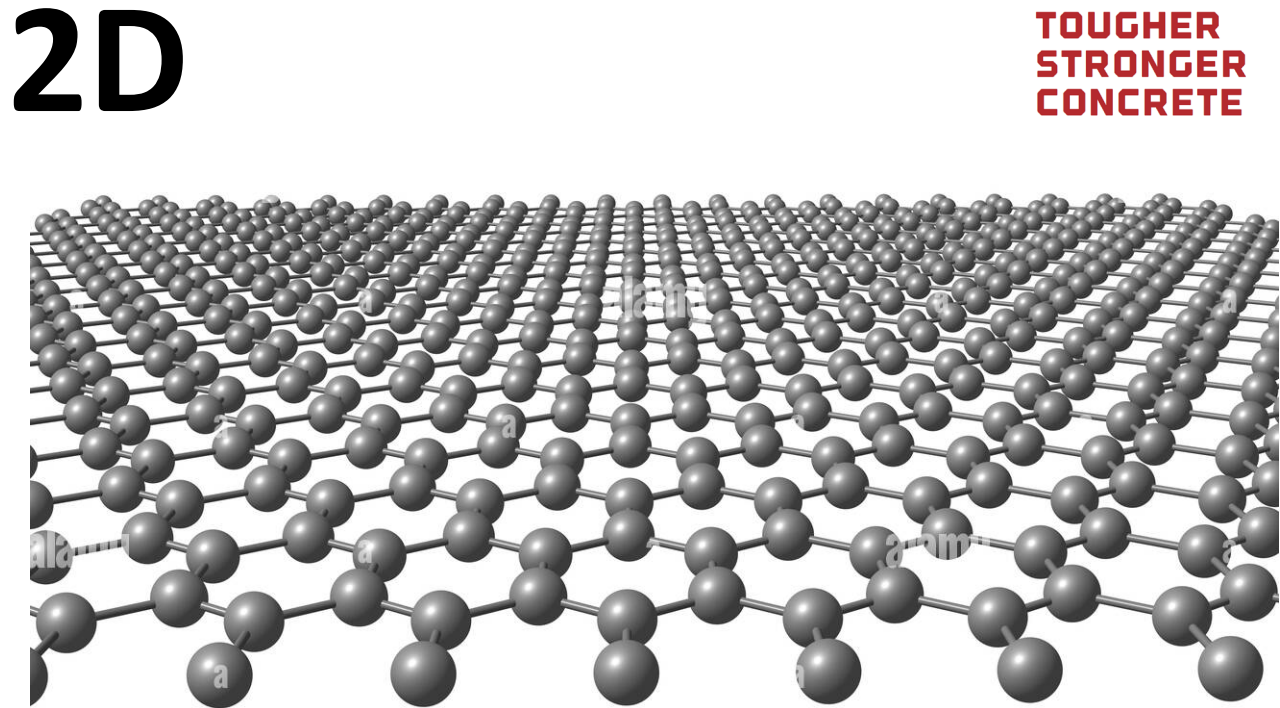
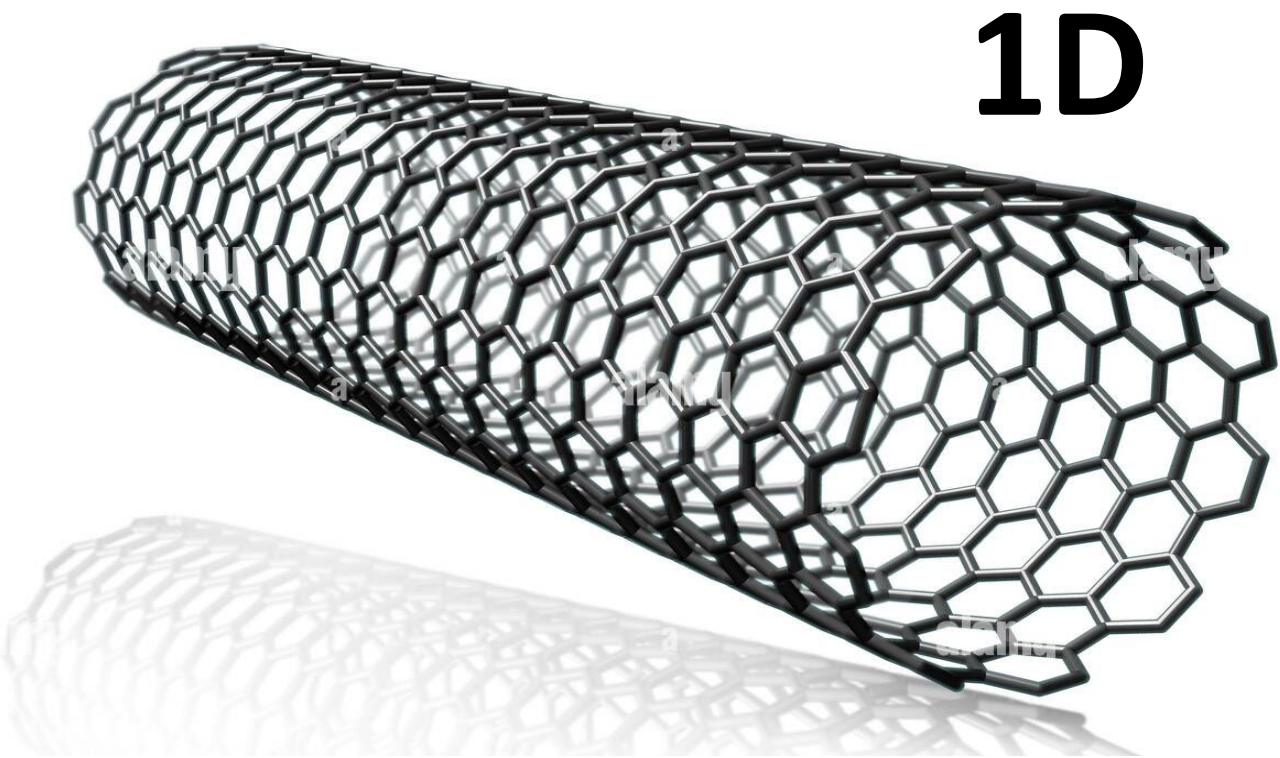
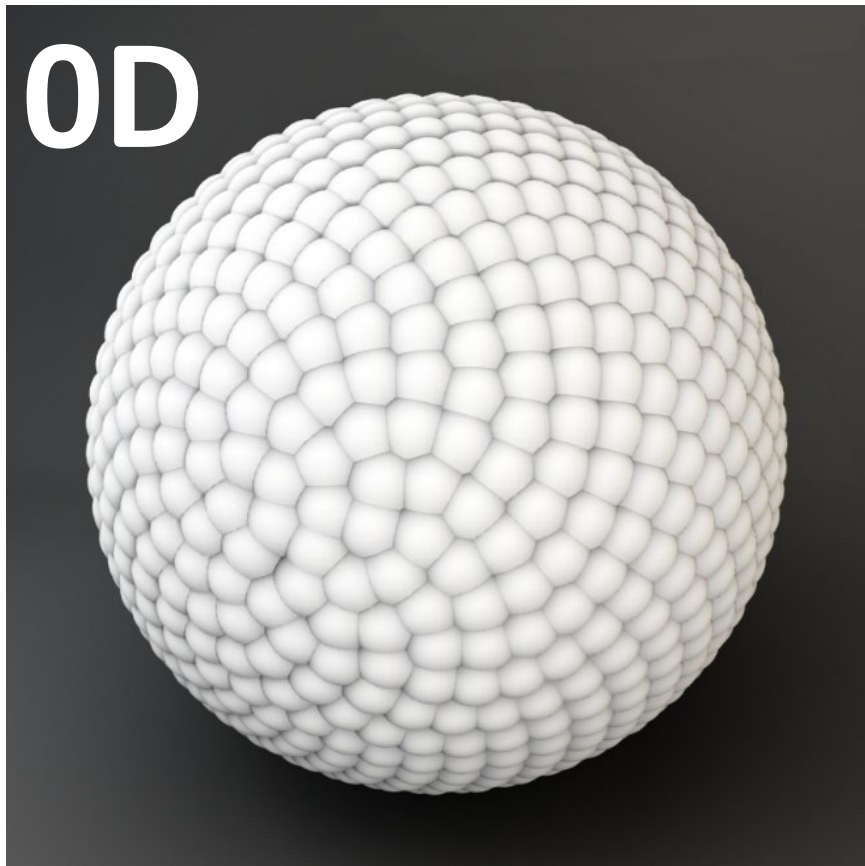
TOUGHER
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CONCRETE



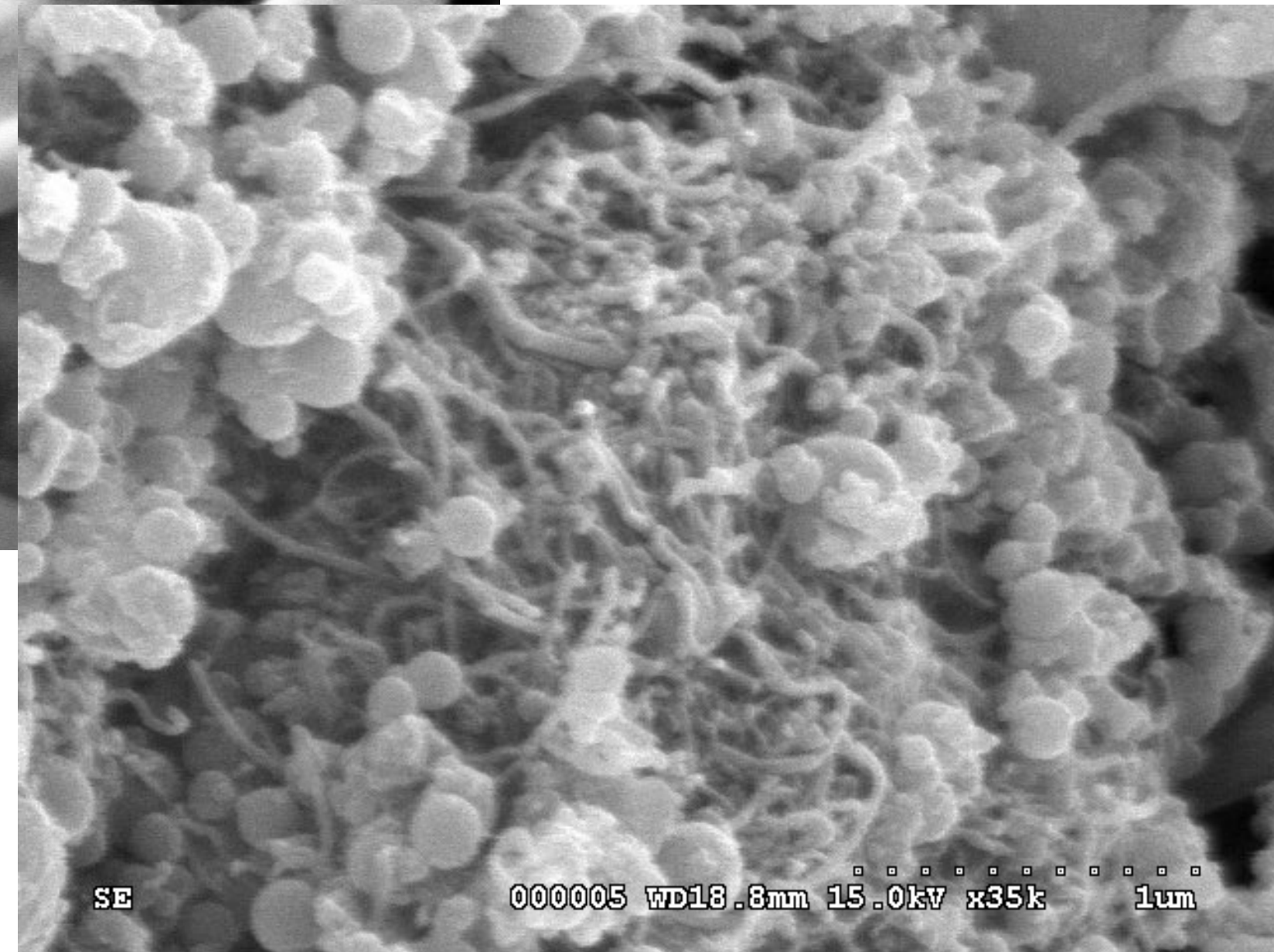
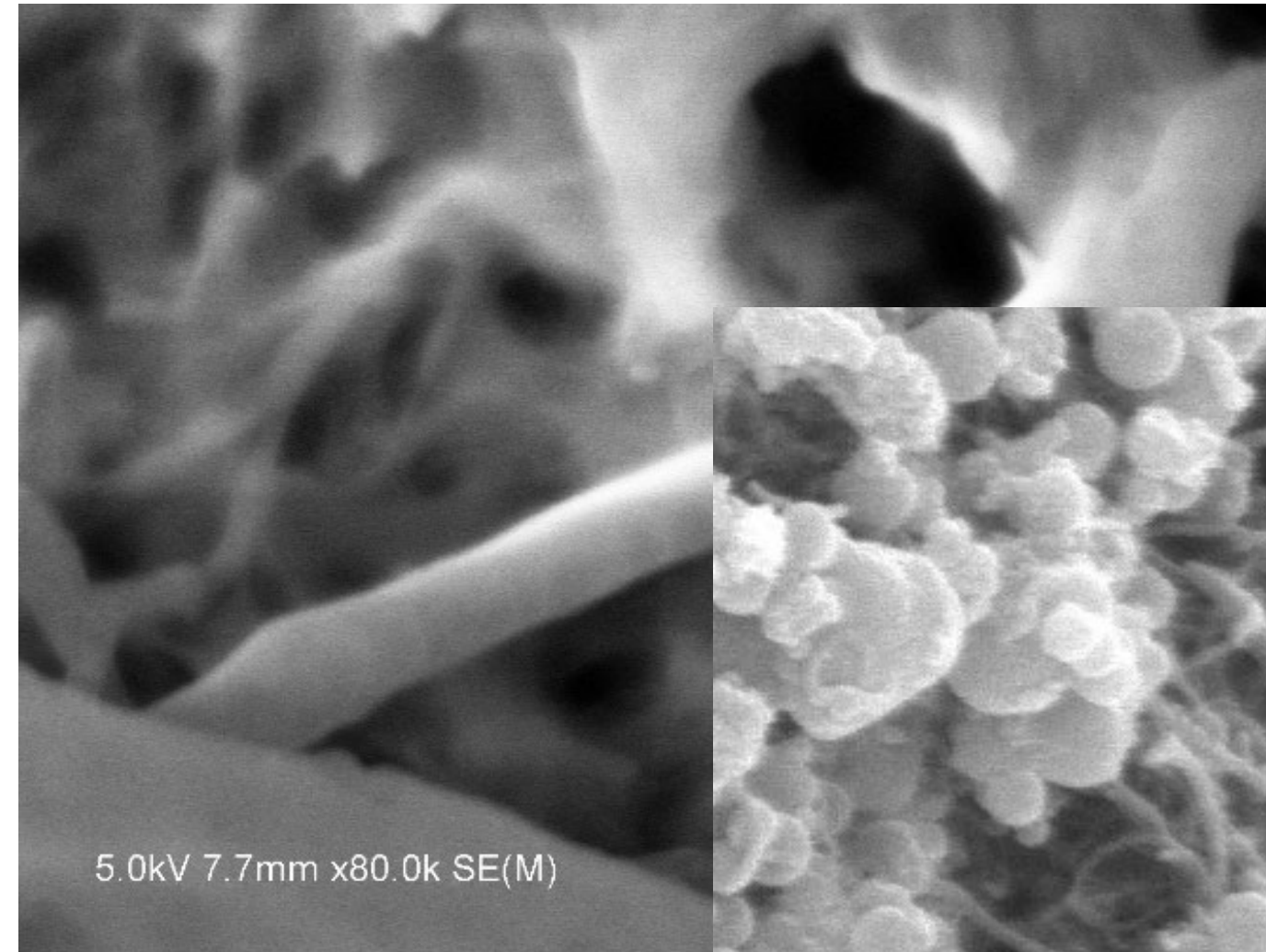
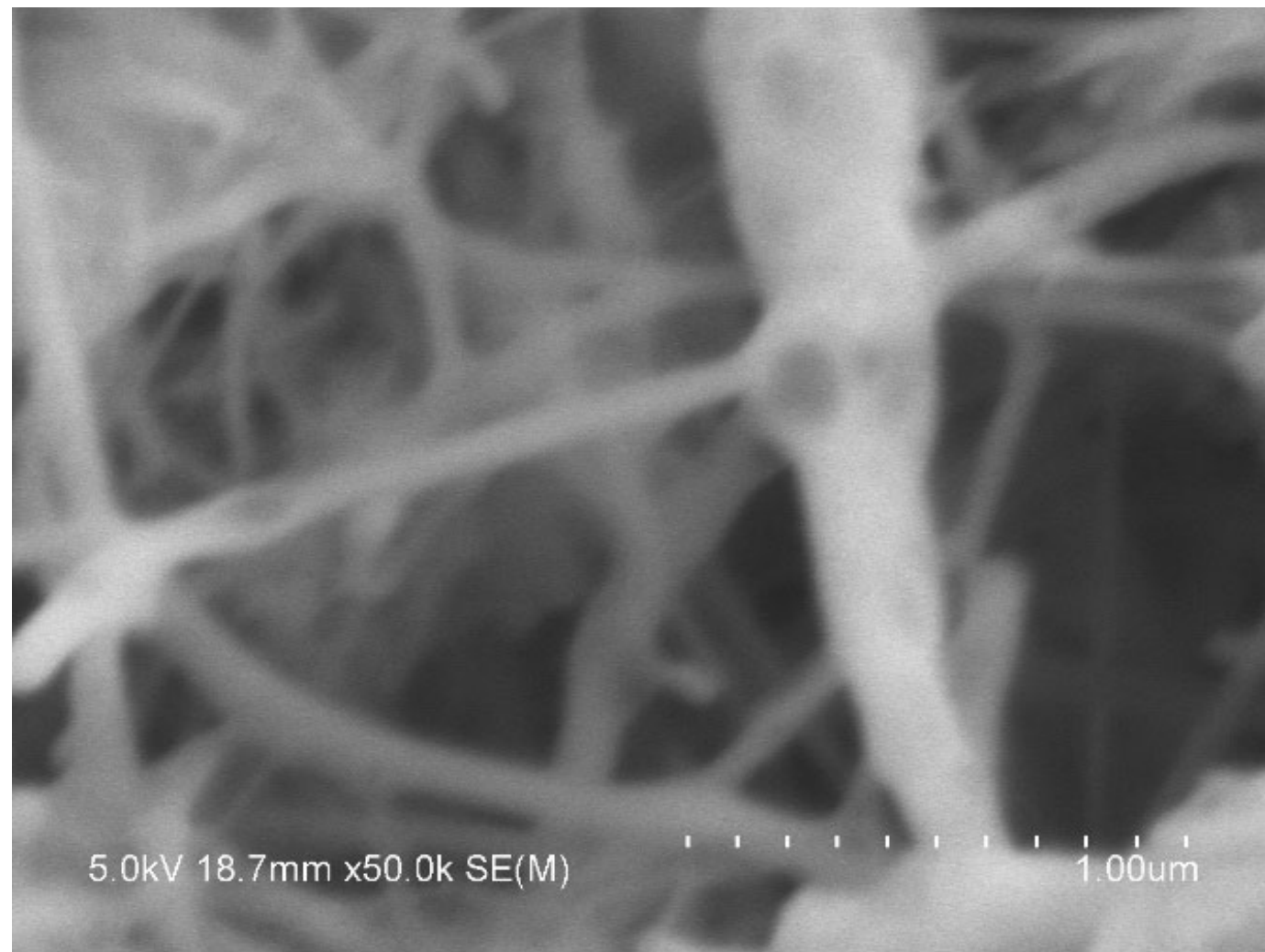
Nano isn't just Nano: Dimension and integration



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How EdenCrete works: Dispersed CNT

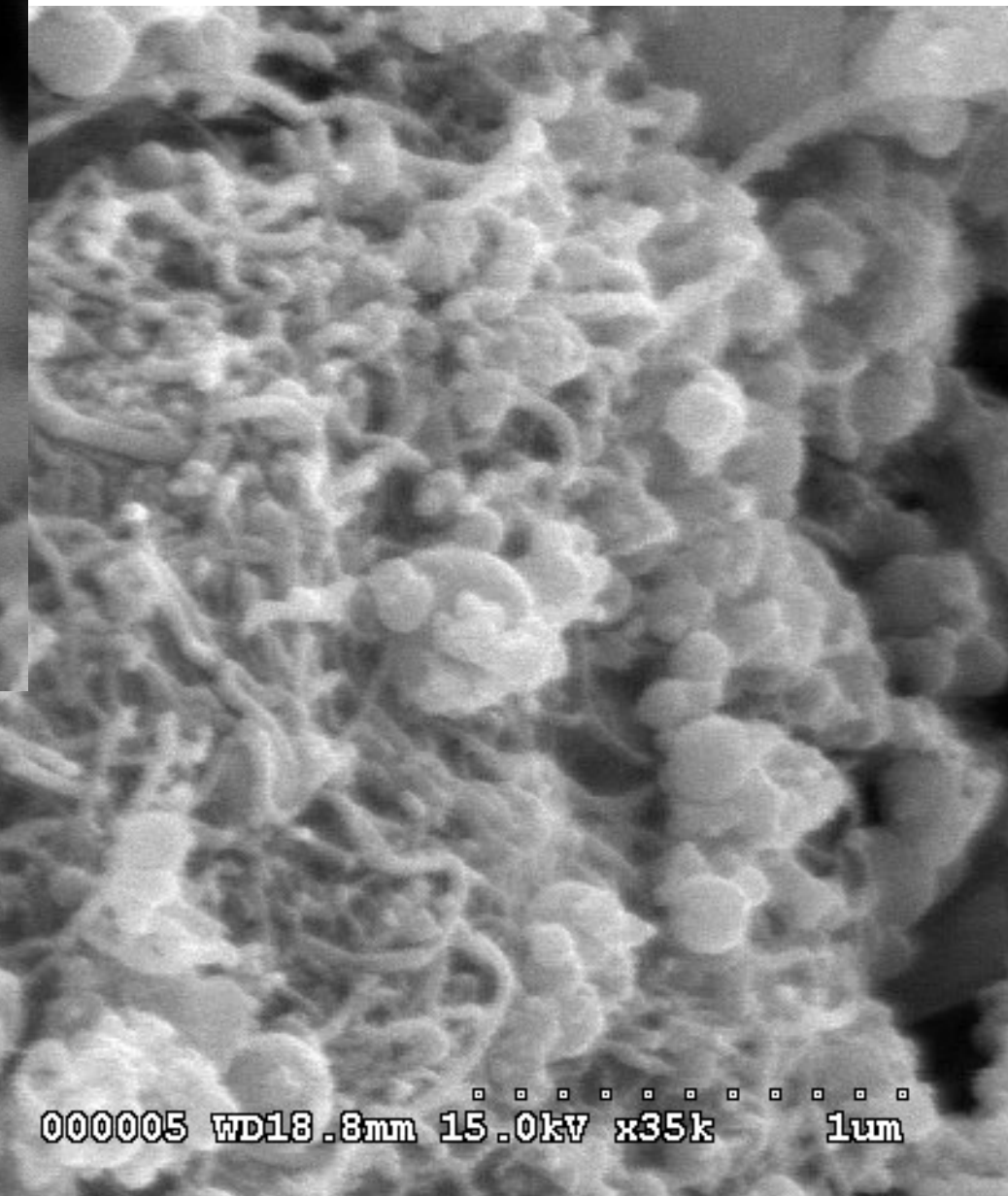
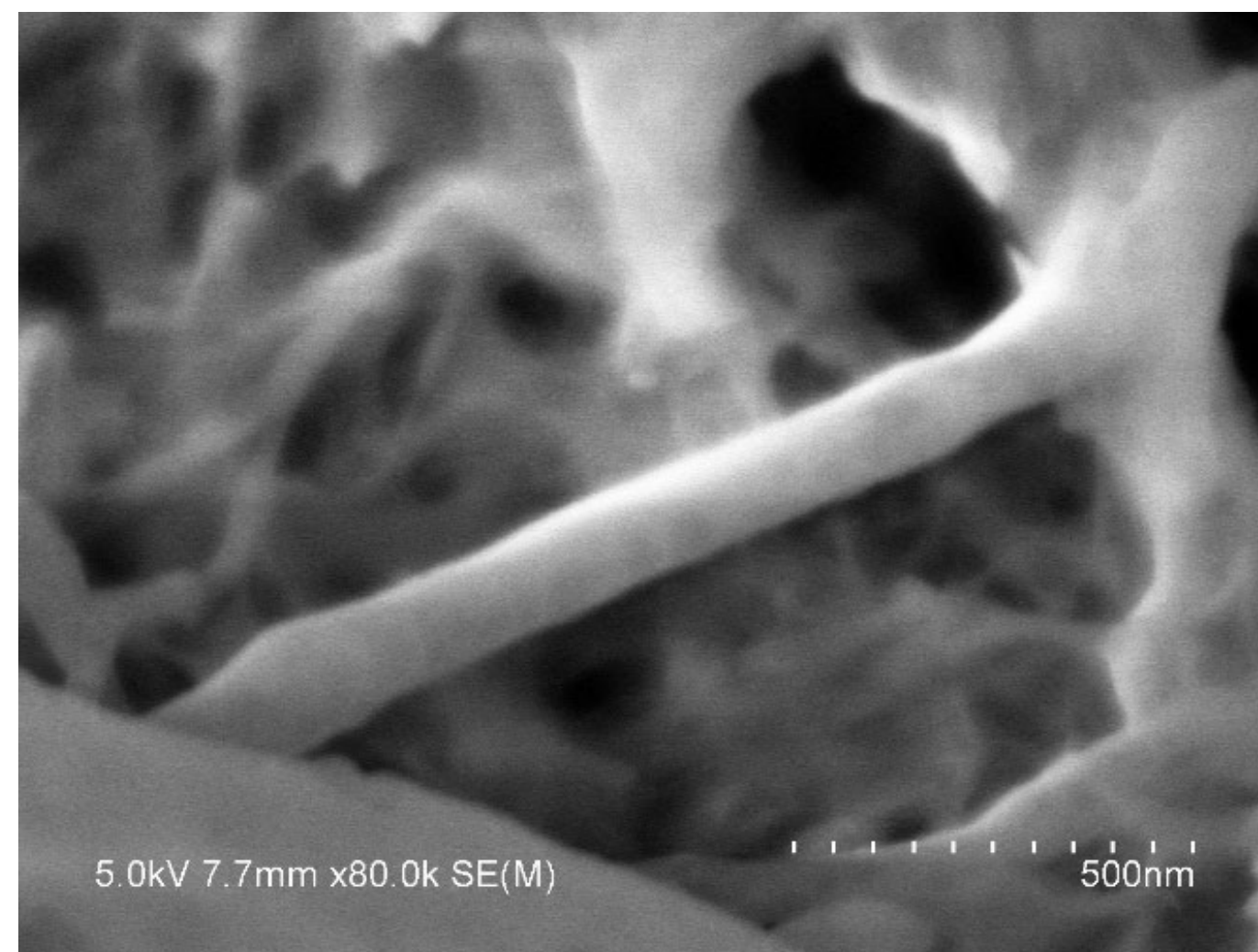
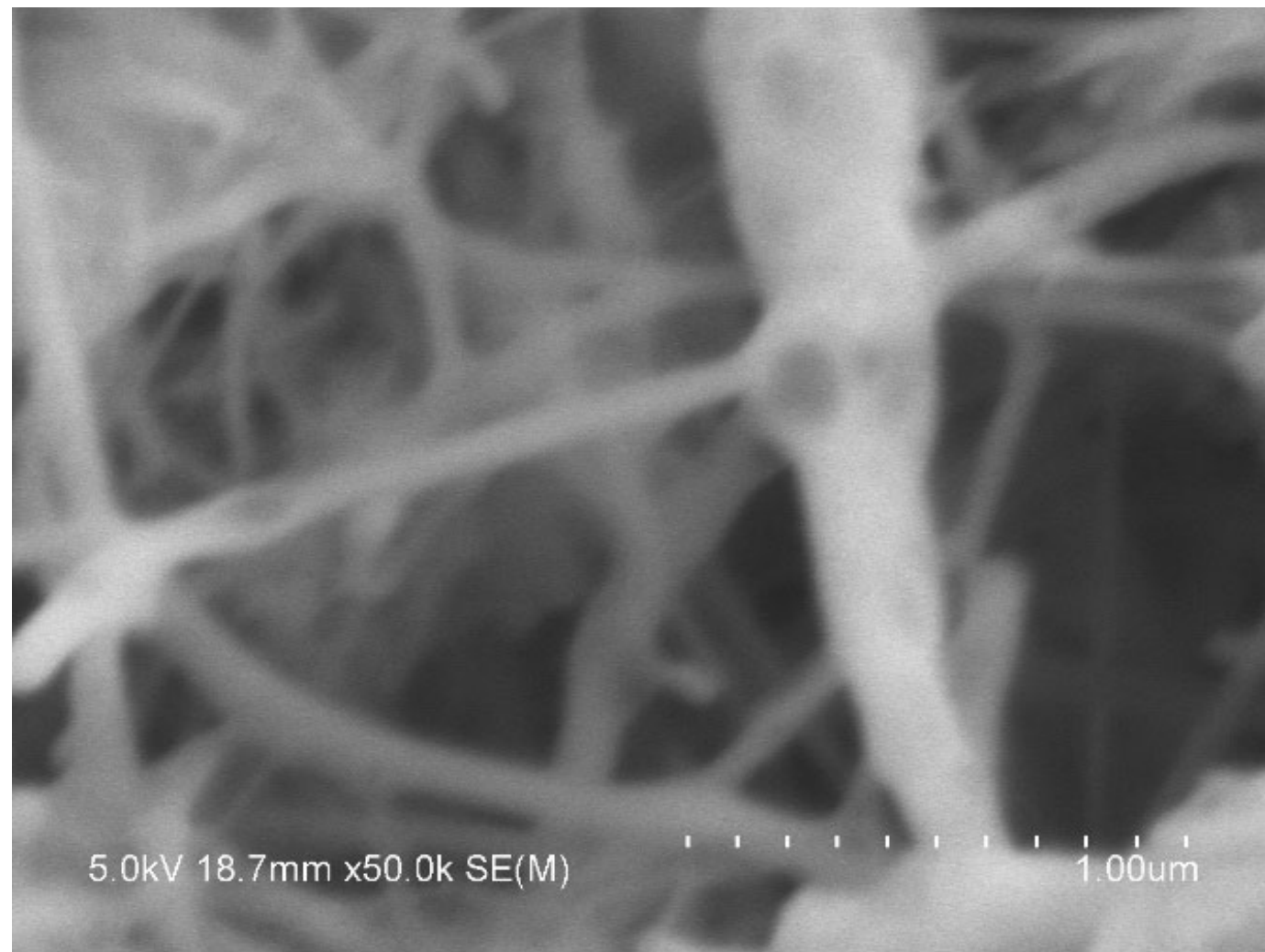


Non-integration:

Agglomeration problem with dry CNT addition
- loss of effectiveness. Not EdenCrete!



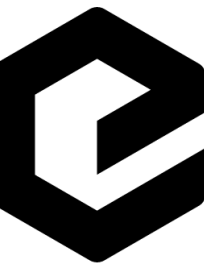
How EdenCrete works: Dispersed CNT




Perfect integration:

No agglomeration! All tubes are effective in creating a scaffold structure for C-S-H crystal formation.

Suspension and Dispersion: EdenCrete



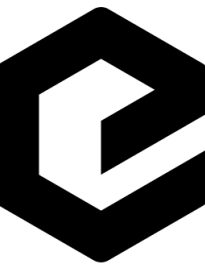
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A good dispersion of CNT secures shelf life of 12+ months

A good dispersion allows us to sell our EdenCretes all around the world



Eden Innovations trials and sales:



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Canada:

Cost-efficient strength,
facilitating increased
FA use, freeze-thaw

USA:

Durability, strength,
abrasion, permeability,
pumpability, shotcrete,
OPC replacement
Increased FA use
EMP shielding
etc.

Ecuador:

Strength, CO₂ reduction

France:

UHPC 140 MPa
CO₂ reduction
Electromagnetic shielding
Carbonation reduction

Greece:

Early strength shotcrete

Israel:

Critical infrastructure
UHPC for seismic and
blast protection
Shielding, shotcrete

India:

Cost reduction
OPC replacement
Increased FA use
CRRI highways

Japan:

EdenPlast

Indonesia:

Cost reduction
PPP project durability

New Zealand:

Freeze-thaw resistance,
durability, cost-efficient
strength

Australia:

Marine, durability

EdenCrete: Vail Pass Paving Project **2 years** Reference vs EdenCrete vs Silica fume



EdenCrete: Vail Pass Paving Project **2 years** Reference vs EdenCrete vs Silica fume



Reference September 5, 2023



EdenCrete September 5, 2023



Silica fume September 5, 2023

EdenCrete: Vail Pass Paving Project **5 years** Reference vs EdenCrete vs Silica fume



Reference May 2, 2026

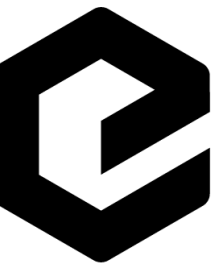


EdenCrete May 2, 2026



Silica fume May 2, 2026

“Shape up or ship out”: target the existing market



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Stormwater drainage: 4 years

Challenges:

Durability is hard and slow to sell
Owner – Contractor – RMC
95% of Concrete evaluated on strength
95% of Projects win on cost
Difficult to specify durability

Eden's approach:

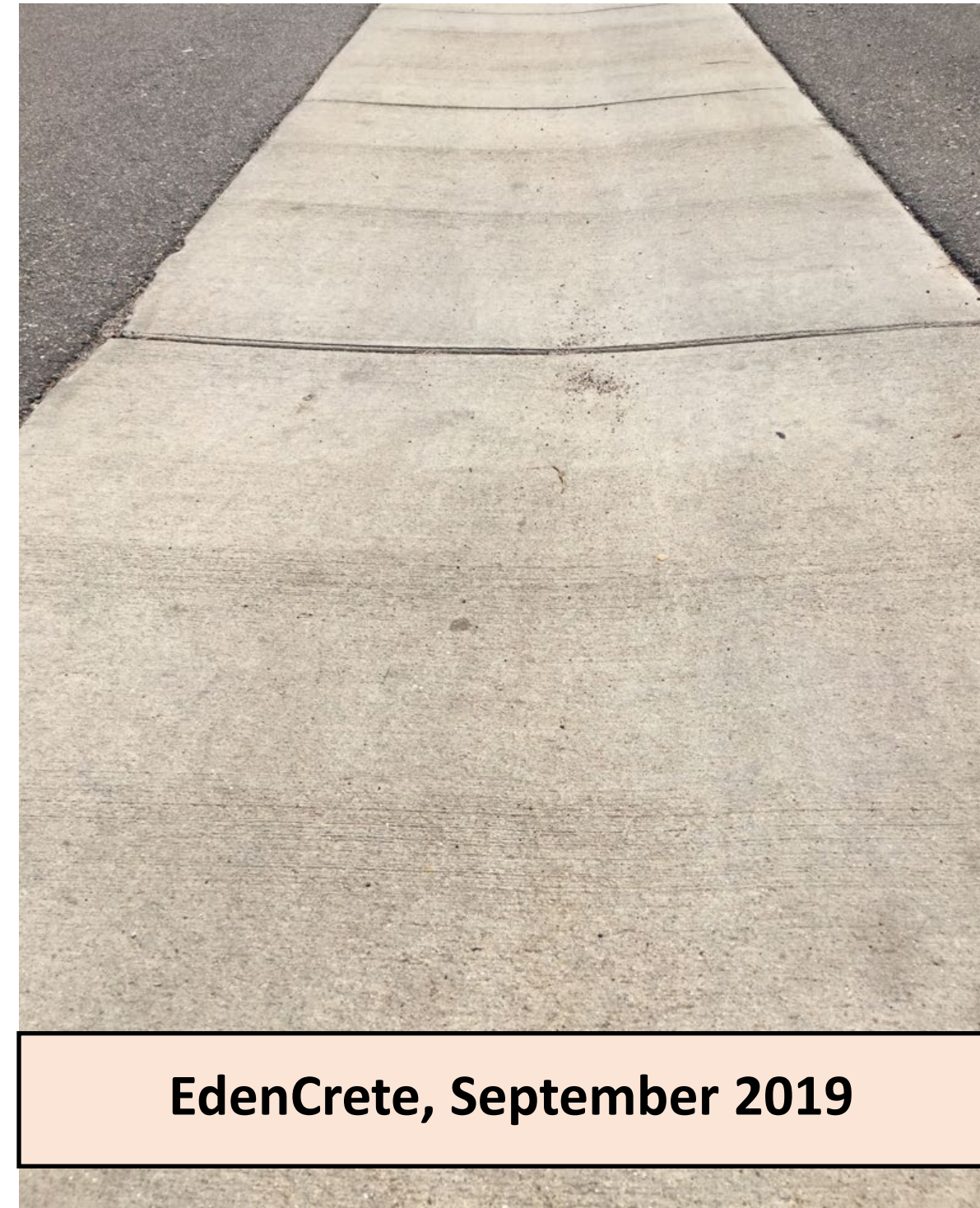
We needed to diversify
Target the 95% market
...and let RMC sell concrete

EdenCrete Pz and EdenCrete Pz7

2 new products developed
CNT based 'strength enhancers'
Gives cost efficient strength
EdenCrete Pz7 'beating the cost of powder'

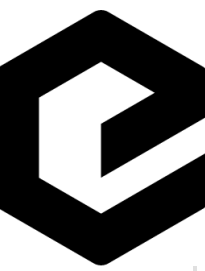


Reference, September 2019



EdenCrete, September 2019

RMC group, GA, USA: 640C, 25 vs 35 vs 45% FA



	Batch	EdenCrete	HC	Pz	Slump	Air	Unit W.	Compressive Breaks					
	Date	Name	Dose	Dose				1-day ave	vs ref	7-day ave	vs ref	28-day ave	vs ref
	Exp		gpy	oz/cy					%		%		%
								3-day		7-day		28-day	
Concrete 25% FA	FA	Reference		0	2.25	1.6	149.2	3220	0.0%	4260	0.0%	6110	0.0%
Concrete 25% FA	FA	Pz		8 oz/cy	3.25	1.5	150	3480	8.1%	4320	1.4%	6140	0.5%
Concrete 25% FA	FA	Pz		14 oz/cy	4.75	1.9	149.2	3630	12.7%	4330	1.6%	6390	4.6%
Concrete 25% FA	FA	Pz7		8 oz/cy	5.5	1.4	149.6	3820	18.6%	4720	10.8%	6920	13.3%
Concrete 25% FA	FA	Pz7		14 oz/cy	4	1.6	149.4	3960	23.0%	4900	15.0%	7080	15.9%
								3-day		7-day		28-day	
Concrete 35% FA	FA	Reference		0	4.75	1.5	149.2	2820	0.0%	3500	0.0%	5510	0.0%
Concrete 35% FA	FA	Pz		8 oz/cy	4.75	1.8	148.8	3060	8.5%	3820	9.1%	5930	7.6%
Concrete 35% FA	FA	Pz		14 oz/cy	3.75	1.8	149.2	3280	16.3%	4130	18.0%	6050	9.8%
Concrete 35% FA	FA	Pz7		8 oz/cy	3.5	1.7	149.2	3600	27.7%	4370	24.9%	6570	19.2%
Concrete 35% FA	FA	Pz7		14 oz/cy	4	1.7	148.8	3780	34.0%	4630	32.3%	6890	25.0%
								3-day		7-day		28-day	
Concrete 45% FA	FA	Reference		0	5	1.4	149.2	2250	0.0%	2940	0.0%	4930	0.0%
Concrete 45% FA	FA	Pz		8 oz/cy	5	2	150	2580	14.7%	3020	2.7%	5050	2.4%
Concrete 45% FA	FA	Pz		14 oz/cy	4.75	2.2	149.2	2850	26.7%	3530	20.1%	5440	10.3%
Concrete 45% FA	FA	Pz7		8 oz/cy	4.75	1.7	149.6	2740	21.8%	3740	27.2%	5380	9.1%
Concrete 45% FA	FA	Pz7		14 oz/cy	4	1.5	149.4	3060	36.0%	3940	34.0%	5740	16.4%

Black boxes, reference strength drops 600 psi per 10% FA increase

Green boxes, EdenCrete Pz allows 'no strength loss' going from 25 to 35% FA

Blue boxes, EdenCrete Pz7 **increase** strength going from 25 to 35% FA and almost match 25% reference at 45% FA

Cost-benefit analysis

Cost and CO₂ benefits of Pz7 in 640 lb/cy 25% FA mix

- 1: Lowest cost of strength with Pz7 in 35% FA mix
- 2: Greatly reduced cost of 'theoretical' 5800 psi mix
- 3: Reduced CO₂ 'for free'



Cost-benefit, linear basis: 25% FA 640C mix					CO ₂ of mix	Costing					Theoretical mix (TM)			CO ₂ of (TM)
Entry #	Product	Dosage	Compressi	Percentage		List price	trength Valu	Cost of EC	Cost of mix	Cost per strength unit	Target strength	Cost of target/m3	difference	
Metrics		L/m3	MPa		kg/m3	USD/L	USD/m3	USD/m3	USD/m3	USD/m3/MPa	MPa	USD	USD/m3	kg/m3
Reference		0	42.1	0.0%	265.1		62.32	0.00	62.32	1.4790	40	59.16	0.000	251.6
EdenCrete #1	Pz7	0.31	47.7	13.3%	266.0	12.7	70.58	3.94	66.26	1.3883	40	55.53	-3.625	223.0
EdenCrete #2	Pz7	0.54	48.8	15.9%	266.8	12.7	72.21	6.86	69.18	1.4168	40	56.67	-2.487	218.5
Imperial		Oz/cy	psi		lb/cy	USD/gal	USD/cy	USD/cy	USD/cy	USD/cy/psi	Psi	cost of target/cy	USD/cy	lb/cy
Reference	Ref	0.0	6110	0.0%	446.9	0.0	47.65	0.000	47.65	0.00780	5800	45.23	0.000	424.2
EdenCrete #1	Pz7	8.0	6920	13.3%	449.0	48.1	53.96	3.010	50.66	0.00732	5800	42.46	-2.771	376.3
EdenCrete #2	Pz7	14.0	7080	15.9%	450.5	48.1	55.21	5.243	52.89	0.00747	5800	43.33	-1.901	369.1

Batching:
Lab trials
Doraville, GA
June 2022

Cost and CO₂ benefits of Pz7 in 640 lb/cy 35% FA mix

Cost-benefit, linear basis: 35% FA 640C mix					CO ₂ of mix	Costing					Theoretical mix (TM)			CO ₂ of (TM)
Entry #	Product	Dosage	Compressi	Percentage		List price	trength Valu	Cost of EC	Cost of mix	Cost per strength unit	Target strength	Cost of target/m3	difference	vs 25% FA ref
Metrics		L/m3	MPa		kg/m3	USD/L	USD/m3	USD/m3	USD/m3	USD/m3/MPa	MPa	USD	USD/m3	kg/m3
Reference		0	38.0	0.0%	229.7		57.91	0.00	57.91	1.5240	40	60.96	0.000	241.8
EdenCrete #1	Pz7	0.31	45.3	19.2%	230.7	12.7	69.05	3.94	61.85	1.3650	40	54.60	-6.360	203.7
EdenCrete #2	Pz7	0.54	47.5	25.0%	231.4	12.7	72.42	6.86	64.77	1.3631	40	54.52	-6.437	194.8
Imperial		Oz/cy	psi		lb/cy	USD/gal	USD/cy	USD/cy	USD/cy	USD/cy/psi	Psi	cost of target/cy	USD/cy	lb/cy
Reference	Ref	0.0	5510	0.0%	387.3	0.0	44.28	0.000	44.28	0.00804	5800	46.61	0.000	407.7
EdenCrete #1	Pz7	8.0	6570	19.2%	389.4	48.1	52.79	3.010	47.29	0.00720	5800	41.74	-4.862	343.8
EdenCrete #2	Pz7	14.0	6890	25.0%	391.0	48.1	55.36	5.243	49.52	0.00719	5800	41.68	-4.921	329.1

Mix design:
640 lb/cy
380 kg/m³
25,35,45% FA

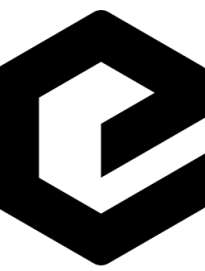
Cost and CO₂ benefits of Pz7 in 640 lb/cy 45% FA mix

Cost-benefit, linear basis: 45% FA 640C mix					CO ₂ of mix	Costing					Theoretical mix (TM)			CO ₂ of (TM)
Entry #	Product	Dosage	Compressi	Percentage		List price	trength Valu	Cost of EC	Cost of mix	Cost per strength unit	Target strength	Cost of target/m3	difference	vs 25% FA ref
Metrics		L/m3	MPa		kg/m3	USD/L	USD/m3	USD/m3	USD/m3	USD/m3/MPa	MPa	USD	USD/m3	kg/m3
Reference		0	34.0	0.0%	194.4		53.50	0.00	53.50	1.5736	40	62.95	0.000	228.7
EdenCrete #1	Pz7	0.31	37.1	9.1%	195.4	12.7	58.39	3.94	57.44	1.5481	40	61.93	-1.021	210.6
EdenCrete #2	Pz7	0.54	39.6	16.4%	196.1	12.7	62.29	6.86	60.36	1.5248	40	60.99	-1.953	198.1
Imperial		Oz/cy	psi		lb/cy	USD/gal	USD/cy	USD/cy	USD/cy	USD/cy/psi	Psi	cost of target/cy	USD/cy	lb/cy
Reference	Ref	0.0	4930	0.0%	327.7	0.0	40.91	0.000	40.91	0.00830	5800	48.12	0.000	385.5
EdenCrete #1	Pz7	8.0	5380	9.1%	329.8	48.1	44.64	3.010	43.92	0.00816	5800	47.34	-0.780	355.6
EdenCrete #2	Pz7	14.0	5740	16.4%	331.4	48.1	47.63	5.243	46.15	0.00804	5800	46.63	-1.493	334.8

Simulation Basis:
OPC cost:
\$175/US ton
\$193/MT
FA cost:
\$70/US ton
\$77/MT

EdenCrete Pz: mix design “upgrade” 8,000 to 10,000 psi

New York RMC trials: Reduced cementitious in 40% slag mix



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Trial		Description	HC Dose gpy	Pz Dose oz/cy	Slump	Air	Compressive Breaks		7-day ave psi	Mpa	vs ref %	28-day ave psi	Mpa	vs ref %	56-day ave psi	Mpa	vs ref %
40% Slag 800 C	S	480 kg/m3 reference	0.0	0		2.1	8320	57.4	0.0%			11117	76.7	0.0%			
40% Slag 800 C	S	480 kg/m3 with Pozzolanic CNT mix	0.0	24 oz		2	9190	63.4	10.5%			12493	86.2	12.4%			
40% Slag 800 C	S	480 kg/m3 with Pozzolanic CNT mix	0.0	36 oz		2.4	9117	62.9	9.6%			12370	85.3	11.3%			
40% Slag 800 C	S	480 kg/m3 with Pozzolanic CNT mix	0.0	48 oz		2.2	8797	60.7	5.7%			11880	81.9	6.9%			
40% Slag 800 C	S	480 kg/m3 with Pozzolanic CNT mix	0.0	64 oz		2.4	8670	59.8	4.2%			11887	82.0	6.9%			
	S												0.0				
650 C 40% Slag Pz	S	390 kg/m3 reference	0.0	0	9.5	1.5	6277	43.3	0.0%			9363	64.6	0.0%			
650 C 40% Slag Pz	S	390 kg/m3 with Pozzolanic CNT mix	0.0	16 oz	9.25	2	7023	48.4	11.9%			10480	72.3	11.9%			
650 C 40% Slag Pz	S	390 kg/m3 with Pozzolanic CNT mix	0.0	20 oz	9	2	7130	49.2	13.6%			10617	73.2	13.4%			
650 C 40% Slag Pz	S	390 kg/m3 with Pozzolanic CNT mix	0.0	24 oz	9	2.1	7250	50.0	15.5%			11033	76.1	17.8%			
650 C 40% Slag Pz	S	390 kg/m3 with Pozzolanic CNT mix	0.0	36 oz	9	2.4	7067	48.7	12.6%			11297	77.9	20.7%			
	S												0.0				
650 C 40% Slag Pz	S	390 kg/m3 reference	0.0	0	9.75	1.5	5797	40.0	0.0%			9180	63.3	0.0%			
650 C 40% Slag Pz	S	390 kg/m3 with Pozzolanic CNT mix	0.0	16 oz	9.5	1.9	6490	44.8	12.0%			10307	71.1	12.3%			
650 C 40% Slag Pz	S	390 kg/m3 with Pozzolanic CNT mix	0.0	20 oz	9.25	1.9	6827	47.1	17.8%			10760	74.2	17.2%			
650 C 40% Slag Pz	S	390 kg/m3 with Pozzolanic CNT mix	0.0	24 oz	9	1.9	6957	48.0	20.0%			10973	75.7	19.5%			
650 C 40% Slag Pz	S	390 kg/m3 with Pozzolanic CNT mix	0.0	36 oz	9	1.9	6910	47.7	19.2%			11273	77.7	22.8%			
	S												0.0				
650 C 60% Slag Pz	S	390 kg/m3 reference	0.0	0	9	2.4	5767	39.8	0.0%			9817	67.7	0.0%	10710	73.9	0.0%
650 C 60% Slag Pz	S	390 kg/m3 with Pozzolanic CNT mix	0.0	16 oz	8.5	2.7	6240	43.0	7.6%			10510	72.5	7.1%	11623	80.2	8.5%
650 C 60% Slag Pz	S	390 kg/m3 with Pozzolanic CNT mix	0.0	24 oz	8.5	2.9	6513	44.9	12.4%			10513	72.5	7.1%	12183	84.0	13.8%
650 C 60% Slag Pz	S	390 kg/m3 with Pozzolanic CNT mix	0.0	36 oz	8	2.8	6723	46.4	16.0%			11460	79.0	16.7%	12670	87.4	18.3%
650 C 60% Slag Pz	S	390 kg/m3 with Pozzolanic CNT mix	0.0	48 oz	8	2.7	6547	45.2	12.9%			11617	80.1	18.3%	12677	87.4	18.4%

Pz achieved 12,500 psi from 11,000 psi mix, but “not needed”

Instead, target 11,000 with cheaper “8,000 psi mix”
Saving 150 lb/cy of cementitious

Alternative “green” 60% slag mix
Saving 220 lb/cy of OPC

EdenCrete Pz at 0.9 L/m³ allows reduction of 90 kg/m³ of cementitious in 10,000 psi mix design

EdenCrete Pz at 1.4 and 0.55 L/m³ allows cost-efficient, OPC reduction of 130 kg/m³ in “green mix”

EdenCrete®

EdenCrete: CNT in Real-World Usage:

Highway CO



DEN Airport



High-rise Delhi



Metro Mumbai



High-rise Denver



Port of Savannah

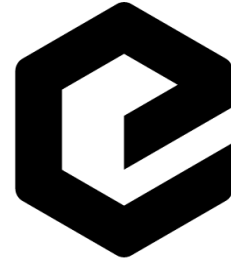


TX precast beam

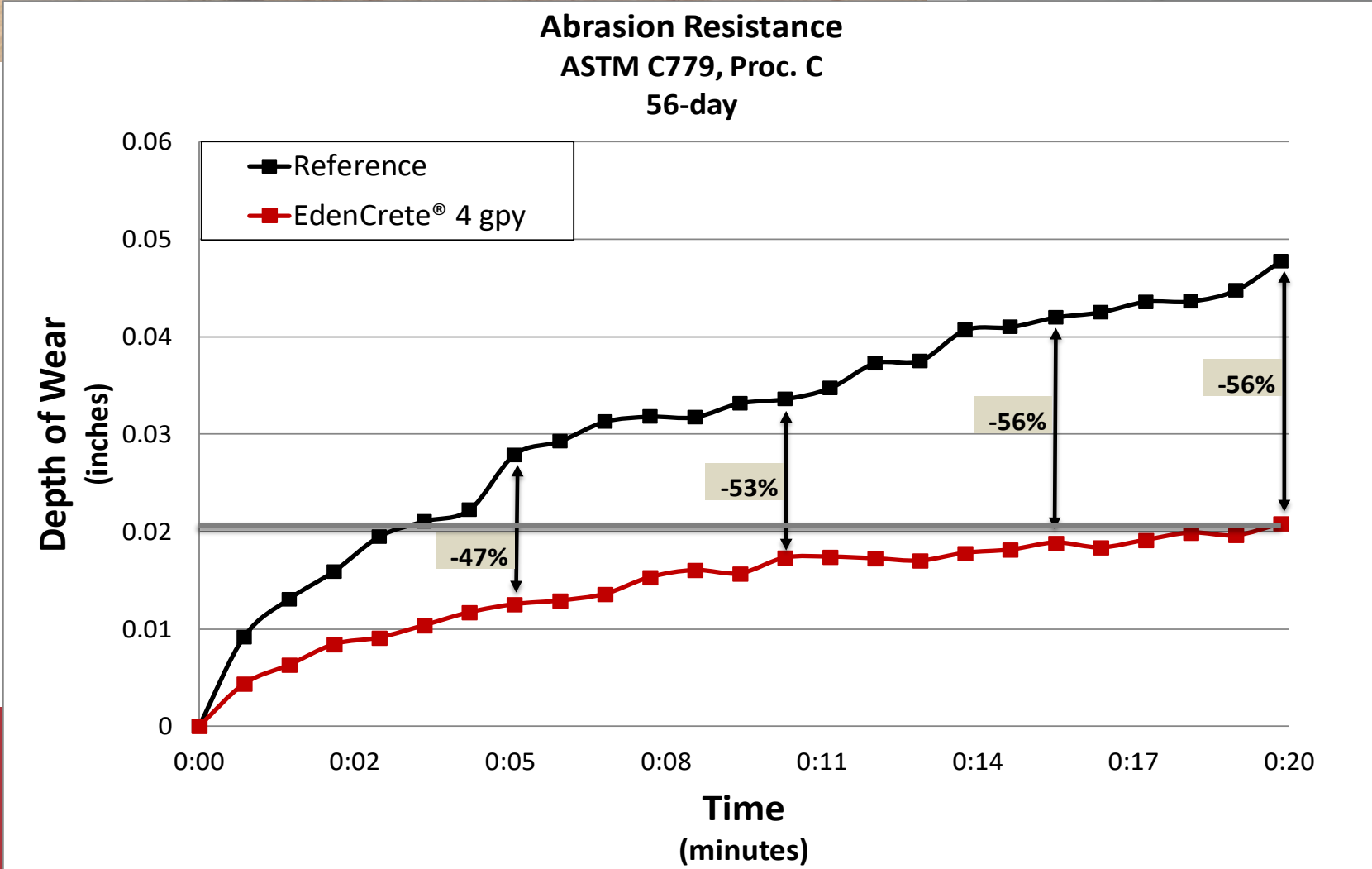


EdenCrete real-world projects:

Georgia Department of Transportation – I-20 Trial October 2015



TOUGHER
STRONGER
CONCRETE



Abrasion Resistance - ASTM C779, Proc. C
4.2.3 Procedure C—The ball-bearing machine operates by high-contact stresses, impact, and sliding friction from steel balls. Plots the depth of abrasion wear vs time. **25 pounds of pressure, 1000 rpm**

EdenCrete real-world projects:

Georgia Department of Transportation – I-20 Trial October 2015



January 23, 2017

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA SPECIAL PROVISION

Section 504—Twenty-Four Hour Accelerated Strength Concrete

In Section 504.1.03.B2, add a note under “minimum cement cwt/cu yd”:

Note 1: When this Section 504 is used in conjunction with Section 452 (Full Depth Slab Replacement), the Contractor shall utilize EdenCrete Carbon Concrete Additive to reduce the cement factor by 15 % as per the allowances of ASTM type “S” admixtures. There shall be two mix designs prepared; one with a 2 gallon/CY dosage and one with a 4 gallon/CY dosage. Each mix design shall also be submitted to and approved by the Engineer prior to use on the project. The mix designs shall consistently achieve the minimum compressive strength (2,500 psi) at 24 hours.

The 4 gallon/CY dosage is reserved for use at the Engineer’s discretion.

“the Contractor shall utilize EdenCrete Carbon Concrete Additive”



EdenPlast: 0.1 to 40% CNT

Final product: CNT content of 0.1% to 5%(+) Masterbatch: Up to 40%



Eden Innovations

Advanced Materials and Energy Systems

Thank you

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Stormwater drain: 7 years

