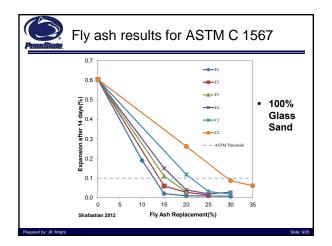


Siale.		N	omen	clature	
Acronym	Design 28-day f'c (ksi)	w/cm	Slump	Fine Aggregate	Application
N5,5.0"	5	0.46	5.0"	Natural Sand	Building Frames and Bridge Decks
G5,5.0"	5	0.42	5.0"	Glass Sand	Building Frames and Bridge Decks
N4,1.5"	4	0.57	1.5"	Natural Sand	Pavement and Slip- Form Applications
G4,1.5"	4	0.48	1.5"	Glass Sand	Pavement and Slip- Form Applications
N4,5.0"	4	0.57	5.0"	Natural Sand	Building Frames and Bridge Decks
G4,5.0"	4	0.48	5.0"	Glass Sand	Building Frames and Bridge Decks
N0.48,5.0"	?	0.48	5.0"	Natural Sand	Building Frames and Bridge Decks







Experiments

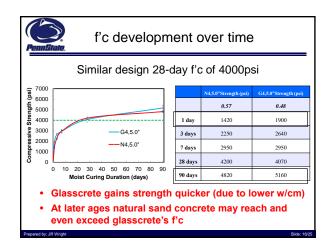
- ASTM C 143: Slump
- ASTM C 231: Plastic Air Content (Pressure Method)
- ASTM C 39: Compressive Strength
- ASTM C 469: Elastic Modulus
- ASTM C 157: Drying Shrinkage
- ASTM C 944: Abrasion Resistance of Concrete
- ASTM C 1202: Rapid Chloride Penetration Test (RCPT)
- ASTM C 1585: Sorptivity of Concrete

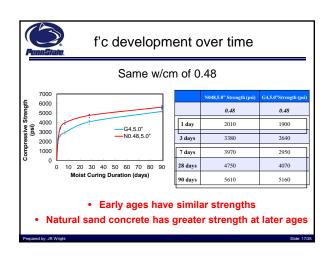
Glasscrete		ires le target			er to read	
	N5,5.0"	G5,5.0"	N4,5.0"	G4,5.0"	N0.48,5.0"	
Design Fresh Air Content			3.0%			
Design 28-day f'c (ksi)	5 4 ?					
Design Slump (in.)	5.0					
w/cm	0.46 0.42		0.57	0.48	0.48	
Plasticizer (fl. oz./yd^3)	190	136	190	115	187	
Measured Slump (in.)			4.5-5.5	5		
Measure Fresh Air Content (%)			2.0-4.0)		
r: JR Wright						

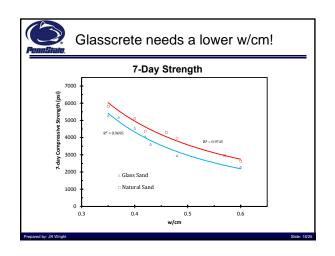
ale.	target slump						
	N5,5.0"	G5,5.0"	N4,5.0"	G4,5.0"	N0.48,5.0"		
Design Fresh Air Content		3.0%					
Design 28-day f'c (ksi)	5 4 ?						
Design Slump (in.)	5.0						
w/cm	0.46 0.42 0.57 0.48 0.48			0.48			
Plasticizer (fl. oz./yd^3)	190	136	190	115	187		
Measured Slump (in.)	4.5-5.5						
Measure Fresh Air Content (%)			2.0-4.0)			

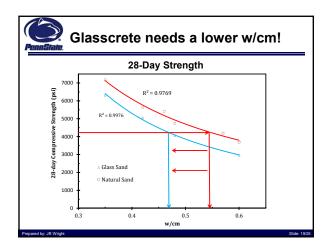
	N5,5.0"	G5,5.0"	N4,5.0"	G4,5.0"	N0.48,5.0'
Design 28-day f'c (psi)	50	00	400	00	?
Design Slump (in.)					
Design Fresh Air Content	3.0%				
w/cm	0.46	0.42	0.57	0.48	0.48
Measure f'c @ 28-days (psi)	5420	5060	4200	4070	4750

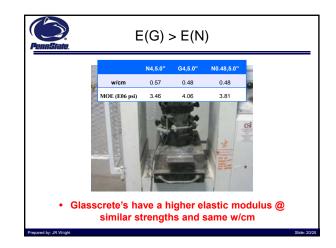
	N5,5.0"	G5,5.0"	N4,5.0"	G4,5.0"	N0.48,5.0	
Design 28-day f'c (psi)	50	00	40	00	?	
Design Slump (in.)	5.0					
Design Fresh Air Content			3.0%			
w/cm	0.46	0.42	0.57	0.48	0.48	
Measure f'c @ 28-days						
(psi)	5420	5060	4200	4070	4750	



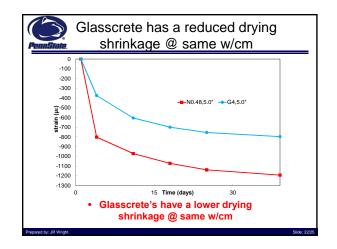




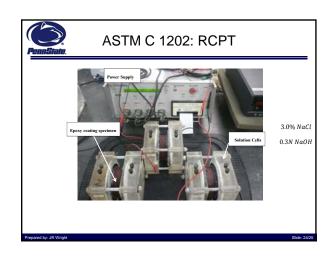


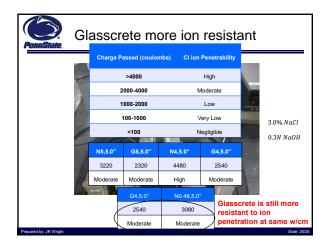












sorptivity							
	N5,5.0"	G5,5.0"	N4,5.0"	G4,5.0"	N0.48,5.0"		
w/cm	0.46	0.42	0.57	0.48	0.48		
Paste Content	0.34	0.35	0.31	0.32	0.32		
Initial Sorptivity (E-04)	13.3	6.74	37.4	10.0	15.8		
Final Sorptivity (E-04)	11.7	5.46	26.8	6.41	13.8		
Glass					r		

