ECOMATERIAL TECHNOLOGIES
A CRH COMPANY

TECHNICAL BULLETIN

ASTM C-618

Summary

		Class		
		F	C	N
Chemical				
$SiO_2 + Al_2O_3 + Fe_2O_3$	min %	50	50	70
CaO	% </>	<18%	>18%	Report Only
SO_3	max %	5	5	4
Moisture Content	max %	3	3	3
Loss on Ignition	max %	6	6	10
Optional Chemical				
Available Alkalies	max %	1.5	1.5	1.5
Physical				
Fineness + 325 Mesh	max %	34	34	34
Strength Activity/Cem.	min %	75	75	75
Water Requirement	max %	105	105	115
Autoclave Expansion	max %	0.8	0.8	0.8
Uniformity Requirements				
Density Max. Var.	max %	5	5	5
Fineness Points Var.	max %	5	5	5
Optional Physical				
Multiple Factor				
Increase in Drying Shrinkage	max %	0.03	0.03	0.03
Uniformity Requirements				
A.E. Admixture Demand	max %	20	20	20
Control of ASR				
Expansion, % of Low Alkali Cement	max %	100	100	100
Sulfate Resistance				
Moderate Exposure, 6 Months	max %	0.10	0.10	0.10
High Exposure, 6 Months	max %	0.05	0.05	0.05

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