

Eco Concrete Student Competition

Material Technical Data Sheets (MTDS)

Developped by ACI Sherbrooke Student Chapter

Lastest version:



American Concrete Institute

Always advancing

School Name & Departement: _____

Team ID: _____

Team member names: _____

Advisor Name: _____

Eco Concrete Student Competition

Material Technical Data Sheet (MTDS) for cementitious materials

Developed by ACI Sherbrooke Student Chapter

Latest version:

Name's product : _____

Product description

Product use

Product fabrication process

Physical property

Bulk density (g/cm^3) :

Specific gravity :

Blaine Fineness - specific surface (cm^2/g) :

Grading Table for cementitious materials

base on ASTM C33-C33M-16

Sieve nominal size	Weight Retained	Cumulative Weight Retained	Percent finer
	g	g	%
No. 3/8 in	9.5 mm		
No. 4	4.75 mm		
No. 8	2.36 mm		
No.16	1.18 mm		
No.30	600 μm		
No.50	300 μm		
No.100	150 μm		
No.200	75 μm		



Eco Concrete Student Competition

Material Technical Data Sheet (MTDS) for cementitious materials

Developed by ACI Sherbrooke Student Chapter

Latest version:

Chemical constituents (% by XRF chemistry)

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Eco Concrete Student Competition

Material Technical Data Sheets (MTDS) for all aggregates

Developped by ACI Sherbrooke Student Chapter

Lastest version:

Name's product : _____

Product description

Product use

Product fabrication process

Physical property

Bulk density (g/cm^3) :

Specific gravity :

Blaine Fineness - specific surface (cm^2/g) :

Water absorption by volume (Vol. %) :

Grading Table for Fine Aggregates

according to ASTM C33-C33M-16

Sieve nominal size	Weight Retained	Cumulative Weight Retained	Percent finer
	g	g	%
No. 3/8 in	9.5 mm		
No. 4	4.75 mm		
No. 8	2.36 mm		
No.16	1.18 mm		
No.30	600 μm		
No.50	300 μm		
No.100	150 μm		
No.200	75 μm		

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Material Technical Data Sheets (MTDS) for all aggregates

Developped by ACI Sherbrooke Student Chapter

Lastest version:

Grading Table for Coarse Aggregates according to ASTM C33-C33M-16

Sieve nominal size	Weight Retained	Cumulative Weight Retained	Percent finer
	g	g	%
No.4 in	100 mm		
No. 3 1/2 in	90 mm		
No 3 in	75 mm		
No 2 1/2 in	63 mm		
No. 2in	50 mm		
No. 1 1/2 in	37.5 mm		
No 1 in	25 mm		
No 3/4 in	19 mm		
No 1/2 in	12.5 mm		
No. 3/8 in	9.5 mm		
No. 4	4.75 mm		
No. 8	2.36 mm		
No.16	1.18 mm		
No.50	300 μ m		



Eco Concrete Student Competition

Material Technical Data Shees (MTDS) for chemical admixtures

Developped by ACI Sherbrooke Student Chapter

Lastest version:

Name's product : _____

Product description

Product use

Dosage specifications

