



# GCI

**CEMENTIR GROUP**

concretelydynamic

## CEMENTIR HOLDING

GAETANO CACCIATORE LLC

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### #57 Limestone

Product description: A selection of carefully graded natural aggregates meeting Florida Department of Transportation specifications. This limestone aggregate is sourced and processed with precision to ensure optimal performance in diverse scenarios. Nominal maximum size 25 mm (1in)

SIEVE SIZE (mm)	% PASSING (Min)	% PASSING (Typical)	% PASSING (Max)
37.5	100	100	100
25	95	95 - 98	100
12.5	25	44 - 48	60
4.75	0	5 - 6	10
2.36	0	2	5

Main Properties	Performance (Min)	Performance (Typical)	Performance (Max)
Aggregate Nature	Limestone	Limestone	Limestone
Cleanness / Max. % passing 0.063 mm	F0.5	F1	F1.5
Particle shape-Flakiness Index	FI5	FI8-FI9	FI15
Resistance to Fragmentation	LA15	LA21-LA22	LA25
Particle density	2.65-2.77 Mg/m <sup>3</sup>	2.71-2.84 Mg/m <sup>3</sup>	2.75-2.89 Mg/m <sup>3</sup>
Water absorption	0.1%	0.4-0.6%	1.0%
Alkali-silica reaction	No reactive	No reactive	No reactive
Magnesium sulfate	SM14	-	-
Chloride ion content	0.00%	0.006%	0.01%
Total sulfur content	0.00%	0.02%	0.04%
Acid soluble sulphate	AS0.2	AS0.6	AS0.8
Light organic pollutants	0.0%	0.0%	0.0%
Humic substances (organic pollutants by humic acids)	No	No	No



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<b>Main Properties</b>	<b>American Standard</b>
Cleanness / Max. % passing 0.063 mm	AASHTO T 27 / ASTM C136
Particle shape-Flakiness Index	ASTM D3398
Resistance to Fragmentation	ASTM C131/C131M
Particle density	ASTM C127
Water absorption	ASTM C127
Alkali-silica reaction	ASTM C289
Magnesium sulfate	ASTM C88 / AASHTO T104
Chloride ion content	ASTM C1152
Total sulfur content	ASTM C114