



Aggregate Crushing Value

Company : Rhino Crushers

Sample: 20mm Stone

Date: 12/05/2021

SANS 5841 : Standard Test

Mass of the Measure (g)	12480
Mass of Aggregate and Measure (g)	15480
Mass that passes 2360µm sieve after test conducted (g)	550

Aggregate Crushing Value (%)	18.3	<30%
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$$ACV = \frac{b}{a} * 100$$

Where

b is the mass of the portion that passes through the sieve, in grams; and

a is the mass of the aggregate contained in the measure, in grams.

Note : Standard test to be done on aggregates passing the 13.2mm sieve and to be retained on the 9.5mm sieve.

Note : Non-Standard tests can be conducted on aggregate in the size ranges given in table 1.

Table 1 : Non- Standard test

For preparation of test specimens		For separating fines
Passing	Retained	
26.5	19	4.75
19	13.2	3.35
9.5	6.7	1.7
6.7	4.75	1.18