



# RIGHTPROP

## MINING & RENEWABLE RESOURCES

### RENEWABLE RESOURCE | BLAST FURNACE SLAG

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The dynamic reuse properties of 'Slag' are particularly attractive to various construction concerns as it helps improve the weighting for LEED certification or 'Green' building certification

- Approved for reuse by the Western Cape Department of Environmental and Development Planning
- Can be used for various applications as an aggregate in Civil Engineering Projects
- COLTO classification of G6/G7 Filling
- Material; compacts well and provides excellent stability
- A cost effective, competitively priced alternative to commercial subbase materials

#### SUMMARY OF TEST RESULTS \*

##### Constants

Grading Modulus	2.02
PRA Classification	A-1-b(0)
Unified Soil Class	SC
COLTO classification	G6
Plasticity Index(0.425mm)	SP
Linear Shrinkage	0.5

##### CBR

CBR-UCS @ 100 %	89
CBR-UCS @ 98 %	64
CBR-UCS @ 97 %	54
CBR-UCS @ 95 %	40
CBR-UCS @ 93 %	30
CBR-UCS @ 90 %	19

##### Sieve Analysis ( % passing)

26.5 mm	100
19.0 mm	97
13.2 mm	93
4.75 mm	64
2.0 mm	50
0.425 mm	32
0.075 mm	16

#### HOW IT IS PRODUCED

When extracting minerals from raw ore, other elements are added in the smelting process to remove impurities from the desired base mineral. The result of this process is commonly referred to as 'Slag'.

The two main variants of 'Slag' are air cooled and water cooled.

Rightprop's 'Slag', which is air cooled, can be reused in a number of ways:

- *Subbase aggregate in Civil Engineering*
- *Cement Aggregate*
- *Railroad Ballast*
- *Filter mediums*
- *Insulation*
- *More...*

\*Complete test results available on our website: please follow the link [rightprop.co.za](http://rightprop.co.za)