

## SLAG

Slag is a by-product produced from thermal mineral processing of ores. It is a collection of molten oxides.. Oxides commonly found in slag include iron oxide (FeO), ferric oxide (Fe<sub>2</sub>O<sub>3</sub>), silica (SiO<sub>2</sub>), alumina (Al<sub>2</sub>O<sub>3</sub>), calcia (CaO) and magnesia (MgO). Small amounts of sulfides can also be present in slag.

Two main concepts gave reasons to develop new technologies to process these materials to take advantage of them as much as possible. The first is growing environmental concerns have led to the presence of slag in large quantities in iron and steel plants and its impact on neighboring areas such as leaching of toxic, acidic or alkaline elements that may affect nearby soil, surface water and ground water. The second concept is the ensuring that the slag contains valuable ingredients or can be converted into useful products.

### PRODUCTS:

(1) **Product (ES8)** – slag with size 0.00 – 8.00 mm.

(2) **Product (ES25)** - slag with size 0.00 – 25.00 mm.

### SPECIFICATION

OXIDES	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	F <sub>2</sub> O <sub>3</sub>	CaO	MgO	SO <sub>3</sub>	K <sub>2</sub> O	CL	WAST
MIN. %	17.00	10.00	15.00	34.00	3.00	0.10	0.00	0.02	20.00
MAX.%	21.00	11.00	18.00	40.00	5.50	0.60	0.06	0.07	4.00

EGYPT STONE CO. FOR MINING PROVIDING SLAG WITH DELIVERY SERVICE.