

# OMGRIT

## TECHNICAL DATA SHEET



### Raw Material:

The raw material IRON SILICATE is generated by quenching of the slag in water in a specially designed granulator at Copper Smelter. This slag is stored in our factory as discrete piles to effect primary solar drying. This slag is analyzed periodically for its chemical composition and is reported in the test certificate provided by us.

CONSTITUENT	%WEIGHT	PROPERTY	TYPICAL VALUES
Silica SiO <sub>2</sub> (Combined as Silicate)	25-35%	colour	Black, glassy
Free Silica	<0.5%	Grain Shape	Angular, Multifaceted
Alumina, Al <sub>2</sub> O <sub>3</sub>	2-9%	Hardness	7 Moh
Iron Oxide as FeO	45-55%	Specific Gravity at 25°C	3.5
Calcium Oxide CaO	2-9%	Bulk Density at 25°C	1.75 tonnes/m <sup>3</sup>
Magnesium Oxide MgO	1-5%	pH	7.0
Copper Oxide, CuO	0.7% max	Conductivity at 25°C	4 mS/ m
Sulphates	0.02%	Weight raise on Ignition	4%
Chlorides	0.003%	Moisture Content	<0.1%