



**METASLAG (GGBFS)** is a granulated ground blast furnace slag

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## USES

**METASLAG (GGBFS)** is used as a supplementary cementitious material for cement, concrete and concrete products. It is also used in soil stabilisation and as filler in asphalt and other products widely used in construction.

## PRODUCT DESCRIPTION

The granulated slag is extracted from the process of pig iron production; where the molten slag is quenched with cold water, producing glassy granulates. The granulates are dried and ground to a fineness suitable for concrete production.

## PHYSICAL PROPERTIES

**Colour:** off-white

**SG:** 2 – 3°

**pH:** 8 – 11

**Fineness:** 450 – 550 m<sup>2</sup>/kg (388)

**Glass content:** >80

**Moisture:** <0.2 %

**Bulk density:**

1000 to 1100 kg/m<sup>3</sup>

1200 to 1300 kg/m<sup>3</sup>

## CHEMICAL PROPERTIES

Chemical	%
SiO <sub>2</sub>	35
Al <sub>2</sub> O <sub>3</sub>	12
Fe <sub>2</sub> O <sub>3</sub>	0.5
CaO	40
MgO	8
Others	5



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## PRODUCT BENEFITS

The partial replacement (30 – 70 % slag) benefits the concrete in the following manner:

- Reduces heat of hydration
- Improves chloride and sulphate resistance
- Improves workability
- Develops long-term strength

## PACKAGING

25 kg and 50 kg bags.

## STORAGE

Must be stored in a moisture-free area.

## SAFETY PRECAUTIONS

Keep out of reach of children  
Avoid inhalation of powder and dust  
Ensure good ventilation during application & drying  
In case of skin contact, wash with soap and water