

Gypsum Rock DBM-GKH

Product Features

Gypsum rock is a high-purity, naturally occurring mineral composed primarily of calcium sulfate dihydrate ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$), known for its consistent quality, low moisture content, and minimal impurities. Its bright white appearance, environmental friendliness, and versatile grain sizes make it ideal for use in cement manufacturing, agriculture, construction, and other industrial applications.

Technical Specifications

Item	WT
SiO ₂ (%)	1.69
Al ₂ O ₃ (%)	0.30
CaO (%)	31.44
Fe ₂ O ₃ (%)	0.39
K ₂ O (%)	0.06
MgO (%)	0.93
MnO (%)	0.01
Cl (%)	296.3
Na ₂ O (%)	0.04
P ₂ O ₅ (%)	0.01
SO ₃ (%)	42.05
TiO ₂ (%)	0.02
LOI (%)	20.21
LOI 235 (%)	15.4
Purity (%)	> 90
Moisture (%)	0.4

Safety Data

Gypsum rock is a non-toxic, non-hazardous, and naturally occurring mineral that is safe to handle under normal conditions. It does not pose any significant health risks; however, prolonged exposure to dust generated during handling or processing may cause mild respiratory irritation. It is recommended to use appropriate personal protective equipment such as dust masks and safety goggles in dusty environments. Gypsum rock is chemically stable, non-flammable, and does not react with other materials under normal storage and usage conditions.

Product Variants

Gypsum rock is available in various lump sizes ranging from 0–50 mm to 50–250 mm, tailored to meet the specific requirements of different industries. Custom sizing can be provided upon request to suit applications in cement plants, plaster production, and agricultural soil treatment.

Packaging Information

Gypsum rock is supplied exclusively in bulk form, ensuring cost-effective transportation and efficient handling for large-scale industrial use. It is typically delivered via tipper trucks or bulk vessels, depending on the destination and customer requirements.

Application and Usage

Gypsum rock has different applications in various industries such as;

>> Cement Industry

Gypsum rock is added to clinker during the final grinding process to regulate the setting time of cement, ensuring proper workability and strength development.

>> Plaster and Gypsum Board Manufacturing

Used as the main raw material in the production of plaster of Paris and gypsum boards (drywall), offering smooth finish, fire resistance, and sound insulation in interior construction.

>> Agriculture

Applied as a soil amendment to improve soil structure, enhance water infiltration, reduce surface crusting, and provide essential nutrients like calcium and sulfur to crops.

>> Construction

Used in the manufacture of prefabricated building components such as blocks, ceiling tiles, and decorative moldings due to its moldability and aesthetic finish.

>> Industrial Applications

Serves as a key ingredient in casting molds, ceramics, and specialty plasters where high purity and consistency are critical for precision and performance.

Warranty

DATSON Building Materials warrants that the product supplied meets the specified quality and performance standards as outlined in this datasheet. We guarantee that the material is free from defects in manufacturing and workmanship. For warranty claims, please retain proof of purchase and contact our customer service team.

