



White Clinker DBM-KSN

Product Features

White clinker is a key raw material in producing white cement, characterized by its low iron and manganese content, which ensures its bright, white color. It is manufactured by carefully controlling the raw materials and firing process to achieve high whiteness and consistent quality. Its composition primarily includes limestone, kaolin, and other minerals with minimal impurities.

Technical Specifications

Chemical Analysis

SiO ₂ (Max. %)	22.5-24.5
Al ₂ O ₃ (%)	4.5-5
Fe ₂ O ₃ (%)	<0.5
CaO (Max. %)	—
MgO (%)	<4
SO ₃ (%)	<0.75
K ₂ O (%)	<0.5
Na ₂ O (%)	<0.5
IR (%)	<0.4
Moisture	<0.5
Choloride Content	<0.009

Physical and other Properties

Tricalcium Slicate (C3S)	>54
Tricalcium Aluminate (C3A)	<0.1
C3S.C2S	>78
Rato Cao/SiO ₂	2.6-2.8
Degree of Whiteness;	>25
L*	>92
Hunter	>89.8
(Y)	>80.6
Free Lime (%)	<1.7
Liter Weight	Max.55%

Product Variants

White Clinker is produced in a accordance wth EN Standard in CEM I, 52.5 Grade. But it can also be customized to meet specific application needs. These include production of white cement, which is ideal for general use; white Portland cement, known for its high strength and durability; and specialty blends that incorporate additives for enhanced performance in specific environments, such as moisture-resistant or quick-setting options.

Packaging Information

White Clinker is available in jumbo bags of 1 MT and 1.5 MT. All jumbo bags are designed for easy handling, storage, and transportation, ensuring the product remains dry and protected from moisture. For big quantity orders, delivery in bulk (for loading on vessel) is also possible.

Application and Usage

White clinker is basically a semi-finished product which is used for production of white cement. White cement is highly versatile and valued for its bright color and aesthetic appeal, making it ideal for architectural and decorative purposes. It is commonly used in producing terrazzo flooring, precast concrete elements, and decorative tiles. Its high whiteness allows for custom coloring when mixed with pigments, enabling the creation of vibrant, colored finishes. White cement is also preferred for grouting, exterior facades, sculptures, and monuments, where appearance is critical. Moreover, it is widely used in interior and exterior wall finishes, including textured and plasters, stucco, and exposed aggregate finishes, ensuring durability and elegance in construction.

Safety Data

White clinker is a non-combustible material but can generate fine dust during handling, which may cause respiratory or skin irritation. Avoid inhalation of dust and prolonged skin contact by using appropriate personal protective equipment (PPE) such as masks, gloves and goggles. Ensure adequate ventilation in work areas to minimize dust exposure. White clinker is not classified as hazardous under normal conditions but should be handled and stored in a dry, cool environment to maintain its quality and prevent accidental dust generation.

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.

