CEMENT GRAVEL

Resistant, stable, and durable

Susterra
Molins Sustainable Solutions

Structural subgrade manufactured with Susterra cement, with a lower carbon footprint, reducing its CO_2 emissions by up to 25% compared to products manufactured with the current Type I cement of the same strength category.

A homogeneous mixture of aggregates, cement, water, and admixtures mixed in a central plant. The aggregates used in its manufacture, whether natural or from crushing, are clean, solid, and resistant. They comply with the quality, plasticity, and particle size distribution characteristics derived from the PG3 (General Specification for Road and Bridge Works).

It provides greater strength than soil-cement, thanks to its cement content of a minimum of 4%; this percentage is adjusted according to the required resistance of the product. It is an ideal material for road pavement.

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Advantages

Provides stability, strength, and durability to the ground.

Does not generate dust when applied to the road alignment.

The product's strength is adapted to the client's needs, always complying with the PG3 specifications.

The raw materials used to manufacture this product have the CE marking.

Field of Application

This product is used as a substitute for road subbases.

Application and Supply System

- The instructions established in the PG3 must be followed, first checking the previous surface and its characteristics, spreading the material, compacting, and carrying out the specific curing process.
- The material is transported, from the manufacturing plant to the construction site, by dump trucks, with the possibility of installing a manufacturing plant on the site itself.
- Depending on the environmental conditions and the distance from the manufacturing point to the site, the formulations will be adapted so that the material arrives at the site at its optimal point for correct application.

CEMENT-TREATED MATERIALS

CEMENT-SOIL
Aggregate particle sizes SC40, SC20
Compressive strength (roadway and hard shoulders): 2.5 – 4.5 MPa
Plasticity index < 12

CEMENT-GRAVEL
Aggregate particle sizes GC20
Compressive strength: 4.5 – 7.00 MPa
Non-plastic material

Source: art. 513 PG3

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