

Minelco MagnaDense 4 Fine Aggregate

Category : Ceramic , Oxide

Material Notes:

MagnaDense is a high grade natural aggregate, manufactured from the iron oxide Magnetite. With its high density MagnaDense is used as loose ballast or as aggregate to produce high quality, high density concrete. This heavy concrete is some 60 % heavier than normal concrete and is easily produced and placed using standard equipment. Minelco is unique in having its own in-house resources guaranteeing a long term reliable supply of consistent quality products. MagnaDense grades can be tailor made to specific customer requirements or purchased as standard grades. Having a high particle density MagnaDense offers several advantages: Reduced volumes = less excavation, transportation, reinforcement & time. Increased weight for a given volume. Reduced heat of hydration. High submerged/saturated density. High radiation shielding characteristics. Space saving. Noise and vibration dampening. Thermal energy storage.

Applications: MagnaDense has a long history of use as construction material for both in-situ and precast applications.

Loose ballast: Offshore ballasting of rigs and caissons. Scour protection for underwater structures of pipelines. Ground stabilization - to reduce piling.

Heavy concrete: Under water concrete (tunnels, pipeline mattresses). Counterweights (bridges, locks, sluices, elevators, excavators). Coastal protection (breakwaters, precast antifer cubes). Pipecoating (negative buoyancy coatings). Radiation shielding (medical & nuclear).

MagnaDense is available in grades from 30 mm down to powder fineness, supplied from strategic stockpiles throughout Europe and the U.S. The use of MagnaDense enhances the density of concrete. Full replacement of the local aggregate, both fine and coarse, makes it possible to reach a density of 4.0 t/m³, or interim densities by partial replacements.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Minelco-MagnaDense-4-Fine-Aggregate.php

Physical Properties	Metric	English	Comments
Specific Gravity	5.10 g/cc	5.10 g/cc	
Bulk Density	3.40 g/cc	0.123 lb/in ³	
Water Absorption	0.30 %	0.30 %	

Mechanical Properties	Metric	English	Comments
Hardness, Mohs	5.5	5.5	

Descriptive Properties	Value	Comments
Particle Shape	Angular	
Surface texture	Rough	

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