



Buster™
GRAPHENE ENHANCED SAND.

Technical Data Sheet

CO2Buster™ TMG-41007 is designed for high strength, low cement concrete batching. CO2Buster™ is a blend of aggregates and 50µm graphene powder that is specifically designed for inclusion in cementitious composites to deliver performance enhancements. Optional aggregate sizes are available of 450 micron, 0-1mm or 1-2mm sand sizes.



Less cement needed
Environmentally better
Great floating off finish
Gets stronger quicker
Increased strength

CHARACTERISTICS

Formulated to reduce cement volume while increasing concrete flexural and compressive strength quickly and permanently. Workability and finishing off is unaffected. Ideal in saltwater and highly acidic environments.

Uses

For mechanical concrete batching plants of any size where CO2Buster can be added with aggregates. Ideal for building structures in saltwater conditions, delivering enhanced resistance to corrosion and increased longevity. Contributes to more sustainable and resilient infrastructure development.

Typical uses may include:

- General purpose concrete
- Construction of saltwater infrastructure
- Infrastructure in highly acidic environments

Contact Us - contact.gtm@gtmaction.com

PRODUCT INFO

Format:	Aggregate Size: 450 micron, 0-1mm or 1-2mm
Packaging:	20 kg bag or 1 tonne bulk bag - minimum order 1 tonne.
Storage Conditions:	Store in unopened original packaging in cool dry conditions off the floor in a manner where moisture cannot come into contact with the bag or its contents.
Shelf Life:	24 months from date of manufacture if recommended storage followed.
Per Order Duration:	30 to 90 days.

APPLICATION INFO

- Blend with raw aggregates prior to adding cement, water and other additives to the batch.
- Mixing %: Water/Cement Approx. 30% to 60% water
- Mixing Ratio: Aggregate/Cement 3:1 (high strength) or 4:1 (normal)
- Air Temperature Application temperature: $>5^{\circ}\text{C}$
- Refer to product Safety Data Sheet prior to use and always wear Protective Personal Equipment

TECHNICAL DATA

- When mixed correctly flexural strength $> 1.2\text{kN}$ (Load) at 28 days
- When mixed correctly compressive strength $> 11\text{ MPa}$ at 28 days
- Appearance / Colour Grey / Dark Grey powder.
- Maximum Grain Size 2mm
- 99% by volume of dried graded sand, to comply with NZS 3103
- Graphene Powder size $50\mu\text{m}$, plus additives

WARRANTY STATEMENT

The information, and recommendations relating to the application and end-use of CO2Buster™ product is given in good faith based on the manufacturers, and or resellers, current knowledge and experience of the product when properly stored, handled and applied under normal conditions in accordance with recommendations. The differences in materials and usage environment are such that no warranty in respect of fitness for a particular purpose can be implied from this information, or from any other source of information relating to the product.

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