



POWDER TECHNOLOGY AT ITS FINEST



THE COMPANY



Viaton Industries Limited

part of the Cromford Group, is one of Europe's largest processors of Mineral based products and Contract Processors in the field of particle size modification.

Formed in 1926 in Brassington, Derbyshire, **Viaton Industries** has developed through people and technology to become the leading player in particle size reduction and Mineral Processing:- **POWDER TECHNOLOGY AT ITS FINEST.**

Major investment in research, development and quality control procedures has positioned the Company as a first choice, world leader within its chosen markets.

Continuous investment in people has ensured that **Viaton Industries** has a highly trained, highly qualified and customer focused team.

QUALITY ASSURANCE



Quality awareness in the production of sophisticated Mineral Fillers/Extenders and the Contract Processing of Chemicals, Waxes, Flame Retardants, Agrochemicals and Food Additives led **Viaton** to implement **ISO 9002** quality standards.

The continued investment in the latest particle size analysis equipment ensures **Viaton's** control of particle size to fine tolerances.

HYDRATED MAGNESIUM SILICATE (TALC)



Viaton Industries have been involved with the manufacturing and processing of Hydrated Magnesium Silicate (Talc) Fillers and Extenders for a considerable number of years both directly and indirectly via our Contract Processing Services division.

Viatalc® products are manufactured from high grade, low impurity and high whiteness natural Hydrated Magnesium Silicate and have been developed for customers in the Paint, Paper, Powder Coating, Cosmetics, Ceramics, Elastomer and Plastics (polypropylene compounding) markets.



The **Viatalc**® range has been developed to satisfy the exact needs and applications of our customers.

Viatalc® products cover a wide range of particle size requirements commencing with a 200 mesh top size talc and concluding with a superfine material with a mean (d_{50}) of below 3 microns.

Viatalc® "Closecut" products have been specifically produced to have their fines fraction below 10 micron reduced, resulting in substantially lower resin and solvent demand.

Viatalc® 'G' Grade (Compacted/Granular) products have been added to the range to offer customers advantages in terms of handling, dispersing, accurate dosing and dust suppression.



Functional Fillers & Extenders



BARIUM SULPHATE (BARYTES)

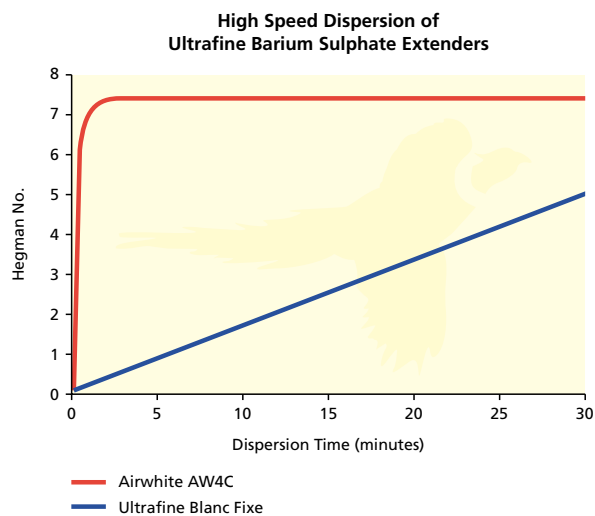
Viaton Industries is the UK's largest Manufacturer/Processor of Barium Sulphate Functional Fillers and Extenders and a major force in Europe, Asia, the Middle and Far East markets.



The diverse product range that **Viaton** can offer is widely accepted as the most extensive and technically advanced on the market today. There are three main product groups - **Airwhite®**, **Barifine®** and **CM® Grades**, each being tailored to customers specific needs and applications.

Airwhite® products are manufactured from either high whiteness, low silica, high purity natural Barium Sulphate or chemically precipitated (Blanc Fixe) materials. With benefits ranging from TiO₂ spacing, reduction of resin and solvent demand, as a functional filler to offer 'bulking' properties as well as helping to enhance the full brilliance of coloured pigmented surface coatings.

The **Airwhite®** range consists of a number of products commencing with **Airwhite®** AW45, a 45 micron top size material down to the Superfine **Airwhite®** AW2, a 2 micron top size product with a mean (d₅₀) of 0.8 microns.



To ensure maximum dispersability and reduced re-agglomeration, the finer **Airwhite®** grades are specially coated to reduce dispersion costs, improve fineness of grind and gloss - these products are denoted as "C" grade.

Barifine® products are manufactured from high grade, low silica and low lead natural Barium Sulphate and have been developed specifically for Industrial Primers, Paint, Brake Lining/Friction Materials, Ceramics and Elastomer markets.

BARIUM SULPHATE (BARYTES)



The **Barifine**[®] range consists of a number of products commencing with **Barifine**[®] B80, a 80 micron top size product down to **Barifine**[®] B10, a 10 micron top size product with a mean (d_{50}) of 2 microns.

The **Barifine**[®] grades are unique in terms of offering high purity, an ultra low lead content and low levels of silica. They offer a cost effective alternative to the more expensive pure white grades.

CM[®] grades of Barium Sulphate are mined from a major faulted area within the UK, with veins, replacements and solid lenses of Barytes. Employing the latest equipment and extraction techniques the mine produces high value Barium Sulphate designed primarily for the Acoustic (Sound Proofing) markets.

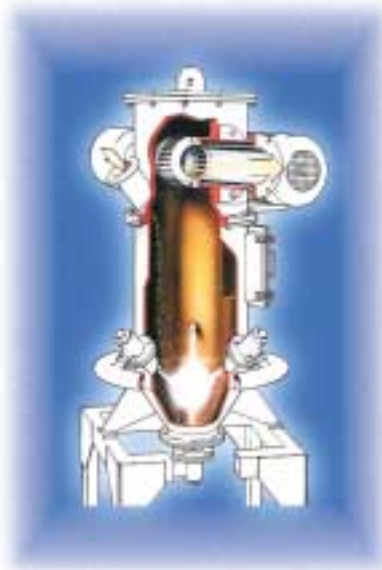


A range of Barium Sulphate Aggregate and Fillers are available for the production of dense concrete and for inclusion in radiation shielding applications in the Nuclear Industry and Hospital Radiation Departments.



MICRONISING, CLASSIFICATION, GRINDING & BLENDING

Viaton Industries is a major force in the Contract Processing of Inorganic and Organic Materials such as Waxes, Resins, Natural and Synthetic Minerals, Flame Retardants, Agrochemicals and Food Additives.



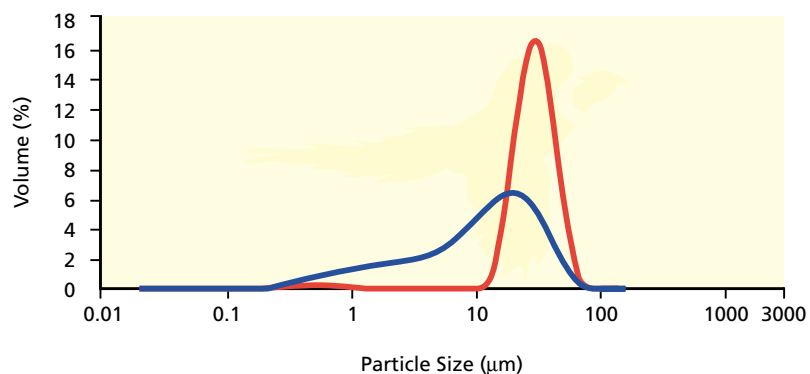
Our facilities for particle size reduction include a range of specialised equipment incorporating conventional roller and fluid energy mills and fluidised bed opposed jet mills. This advanced technology enables us to mill coarse feedstocks to ultra fine products (e.g. mean particle sizes (d_{50}) of less than 1 micron).

Air classification is used for particle separation of powders into coarse and fine fractions. This technology can be used independently or integrated with particle size reduction.

A close working relationship is established with all customers, from initial discussions, through development stages and processing to final product delivery.

This 'first to last' personal service is the professional and highly cost efficient route to ensure your powder products meet your demanding specifications.

Particle Size Distribution



— Fines Reduced (Coarse) Fraction
— Feedstock

MICRONISING, CLASSIFICATION, GRINDING & BLENDING



To help our customers develop finer materials for their own future product development plans, **Viaton** have installed a highly efficient and flexible pilot plant where small trial batches can be processed. This pilot plant facility offers a highly cost effective method of small batch trialling and a direct product match when scaled up to our larger production facility.

We are highly aware of how important product quality is for all our customers. Stringent quality control procedures are maintained at all times to ensure that products are to the correct specification and presentation criteria.



Viaton's customers place great importance on our efficient sample evaluation facilities, followed by consultation and trials before full scale production.

The investment made in advanced development facilities for powder processing reflects our commitment to consistently meet the differing end-use needs of our customers from the chemicals industry through to food additives world-wide.



Contract Processing Services

POWDER TECHNOLOGY AT ITS FINEST

- **Airwhite[®] Barium Sulphate**
- **Barifine[®] Barium Sulphate**
- **CM[®] Grade Barium Sulphate and Aggregates**
- **Viatalc[®] Hydrated Magnesium Silicate (Talc)**
- **Contract Processing - Classification, Micronising, Milling and Blending**



Certificate Number FM 26637



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