



Fume Cupboards...for Life

GRP - Superior Performance, Superior Styling

Glass-reinforced plastic (GRP), also known as fibreglass or glass-fibre reinforced plastic (FRP), is a fibre reinforced polymer made of a plastic matrix reinforced by fine fibres of glass. It is chemically resistant, lightweight, extremely strong and robust, and can be easily formed using moulding processes. GRP is commonly used in the production of boats, light aircraft, wind turbines, storage tanks and car bodywork.

For over 40 years we have chosen to manufacture our fume cupboards from GRP for its advantages over more commonly used materials, advantages such as :

- Excellent chemical resistance, especially to corrosive acids that would quickly attack epoxy coated or stainless steel surfaces
- Moulded profiles providing superior airflow and minimising turbulence, resulting in class-leading fume containment and safety
- Excellent impact and abrasion resistance
- Extremely long lasting. We have many 25+ year old installations in working labs that still look hardly used
- Ease of cleaning and decontamination due to wide-radiused corners and minimal joints and crevices
- Great looks, the smooth lines and radiuses give a pleasing finish that perfectly compliments the modern laboratory
- Leak and crevice free one-piece chamber and front moulding
- Good fire retardant properties
- Ease of repair



In the past there were a number of UK companies, besides Fumair, who manufactured fume cupboards from moulded GRP. Over the years some of these have fallen by the wayside and the others have opted to drop GRP in favour of less labour intensive, cheaper to produce (but inferior) materials, such as epoxy coated steel and laminate sheets.

Fumair, through innovative design, investment and careful outsourcing (all local UK companies) are now the only UK manufacturer to offer fume cupboard manufactured from GRP as standard.

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