

Working Together

Versatile Technology for Fume and Odour Control



CARASOL®

CARASOL® adsorbents are a range of natural, harmless but potent granular materials produced from waste derived from the food industry. They are very versatile, able to scrub a wide variety of volatile contaminants and are clean and easy to dispose of after use and have the added advantage of impeccable environmental credentials.

Forbes, the UK's leading manufacturer of custom designed plastic tanks and a major producer of fume and odour treatment systems has been working with Carafiltration Ltd who have a strong association with the University of York to use their advanced CARASOL® proprietary technology for fume and odour remediation.

Forbes currently designs systems around a variety of established wet and dry scrubbing technologies. CARASOL® adsorbents are likely to supplant the use of activated carbon in Forbes designs while offering a wider range of applications with significant operational benefits.

PLEASE CONTACT EITHER OF THE TWO PARTNERS:



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PLASTICS TANKS AND ENVIRONMENTAL TECHNOLOGIES

Forbes

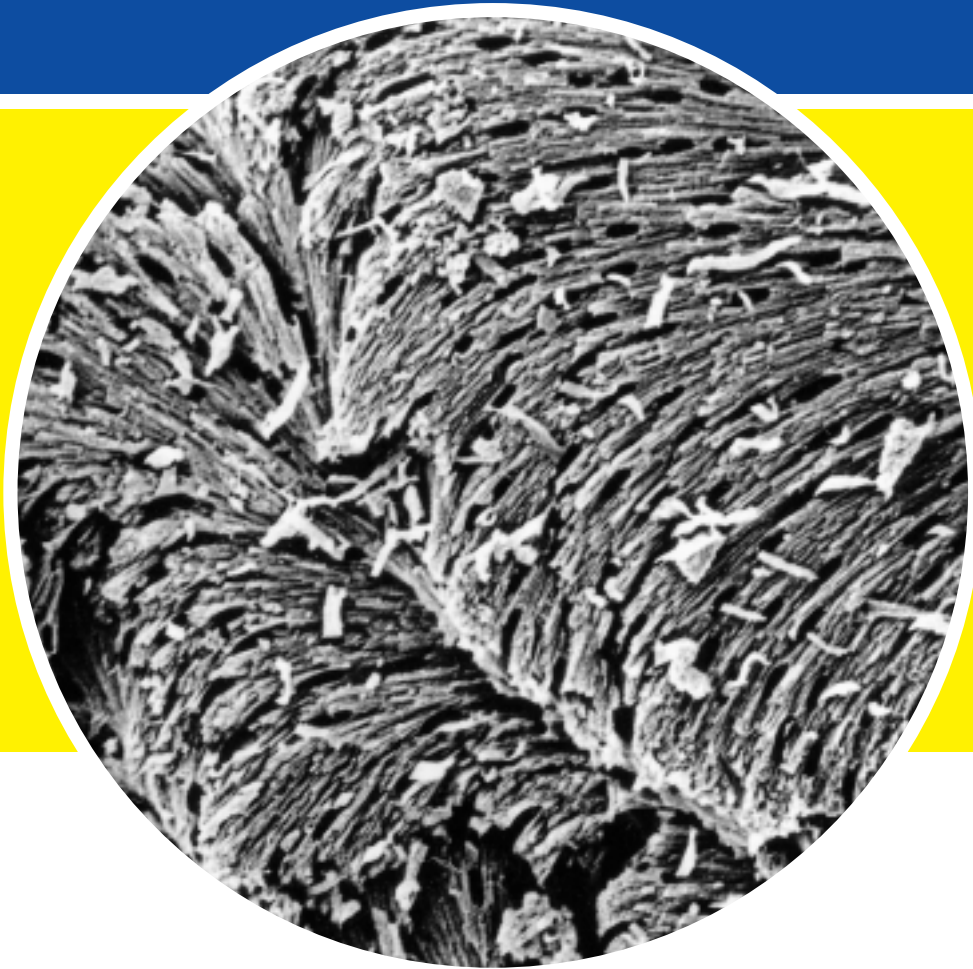
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Fumes and odours from industrial processes are increasingly unacceptable in areas adjacent to residential and leisure spaces, and those responsible for emissions face stringent responses from the authorities if they do not take effective steps towards control and remediation.

There are already a wide range of technologies available to system designers, mostly with trade-offs in effectiveness, environmental acceptability, capital costs, running expenses and ease of use.

Carafiltration Ltd has a strong association with the University of York and over the last 4 years has developed CARASOL® as a range of filter mediums. They are delighted to team up with Forbes as Process Engineers to provide a versatile, cost effective approach to fume and odour control.

Better, Cleaner, Greener



CARASOL® is able to trap a very wide variety of different contaminating molecules by virtue of a unique combination of both physical (physisorptive) and biochemical (chemisorptive) trapping. These two mechanisms work in synergy to provide a very efficient and versatile trapping process.

The raw material for CARASOL® granular adsorbent is a clean waste residue from a specific food manufacturing process and is classed as a renewable resource. The adsorbents are completely biodegradable and biocompatible with landfill. Spent CARASOL® may also be incinerated at high temperatures if it has been used to trap very toxic molecules such as dioxins.

The versatility of CARASOL® embraces acid gases, oxides of sulphur, mercaptans, hydrogen sulphide, dimethyl sulphoxide, dioxins, HCl/HF, VOCs and volatile metals. Because of the dual trapping mechanisms involved CARASOL® will trap both water-soluble and fat-soluble gaseous contaminants.

