

Filtration Foams and Fibres



Vita Technical Foams

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Filtration Foams and Fibres

THE IMPORTANCE OF FILTRATION

From domestic to industrial, filtration has become a vital part of our modern daily life.

Industry for example, relies on a huge amount of different processes to keep everything running. Filtration is crucial to keep many of these processes performing efficiently and sustainably by removing unwanted particles from air, liquids or gases.

Commercial and Public buildings demand clean air and water, utilising filtration media in Heating, Ventilation and Air Conditioning systems and water purification. Unwanted odours can be removed from air by means of highly functional, modified open cell foam or non-woven filtration media.

Domestically, filtration media can be found in many domestic appliances, improving performance and increasing longevity. Filtration utilising reticulated polyurethane foam is imperative to maintaining a healthy pond environment to sustain aquatic life.



VITA'S MANUFACTURING AND TECHNICAL EXPERTISE

is exceptional meeting both local and international standards, solving our customers' problems with a wide range of materials. By providing an extensive range of products we can satisfy many types of complex needs easily and efficiently.

Consistent supply and control is ensured through total control from concept to completion, a discipline that has helped secure long-term customer relationships and partnerships.

Vita specialise in the following manufacturing areas:

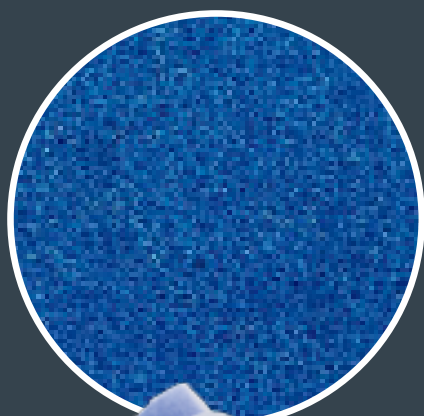
- **Impregnation** – highly tuned formulations to impart specific characteristics
- **Lamination** – materials, films, fabrics from breathable membranes to reinforced aluminium foil
- **Water Jet Cutting** – state of the art technology, giving key benefits
- **Contour Cutting** – horizontal and vertical CNC controlled machinery to ensure accurate 3D parts
- **Profiling** – egg box profiling, produces high surface area components



Filtration Foams – Coalesced & Medical

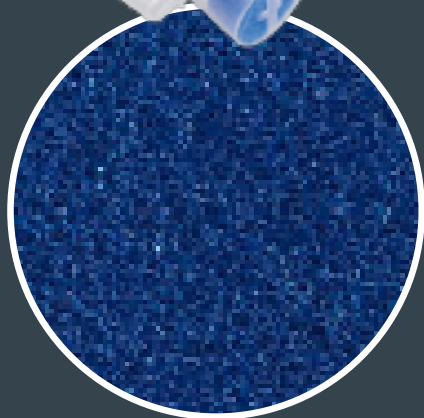
IMPROCEL SPECIALTY

Vita have developed very specialised formulations for highly demanding medical specifications. The filtration product line offers Improcel RS-CC for heat and moisture exchange filter. This reticulated grade gains its functionality through a calcium chloride treatment. Vita's coalescing filters have been developed to give the optimum removal of water and oil aerosols from compressed air.



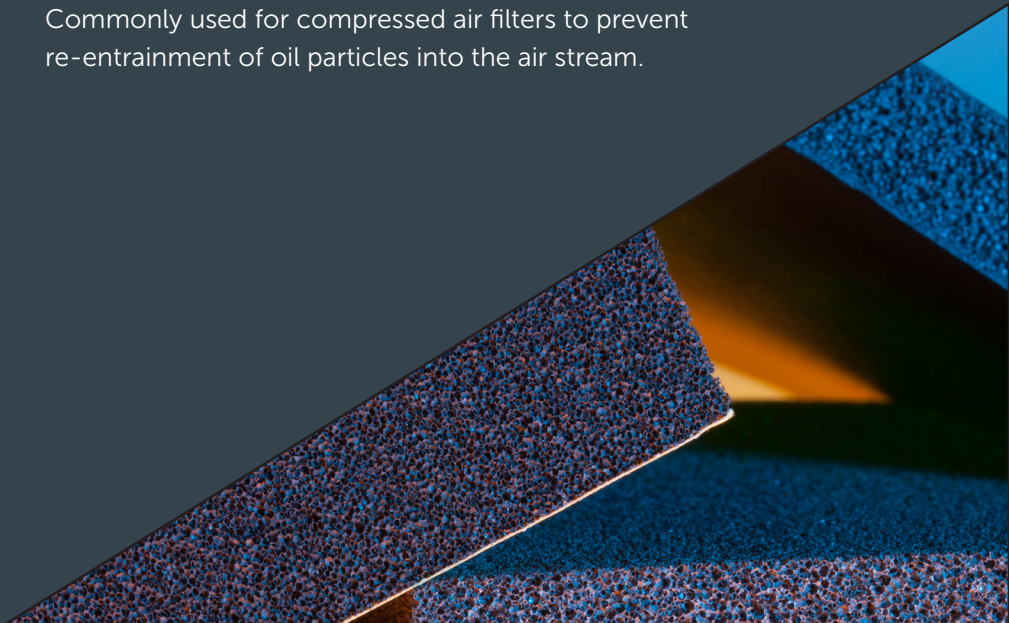
IMPROCEL-RS60-CC

Reticulated polyester foam treated with calcium chloride. Commonly used in medical Heat & Moisture Exchange (HME) Filters.



IMPROCEL-RS60-PVC

Reticulated polyester foam, post treated with PVC. Commonly used for compressed air filters to prevent re-entrainment of oil particles into the air stream.



Filtration Foams – Safety Critical

Improcel safety range

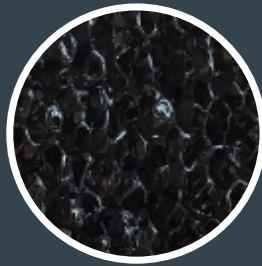
Improcel grades are wholly open cell reticulated polyether and polyester based polyurethane foams which have been post treated for various different applications such as flame retardancy, heat and moisture exchange, rigidity and resistance to water, humidity, soap, oils and lubricants.

Common applications include safety critical filtration for rail, automotive, HVAC and for use in electrical equipment.



IMPROCEL-RT-VO

Flame retardant reticulated polyether, capable of meeting UL94-V0 in various pore sizes.



FLAME RETARDANT TO FMVSS302

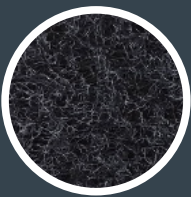
Semi-rigid reticulated, self-supporting polyether foam in various pore sizes.



IMPROCEL-RT-CO

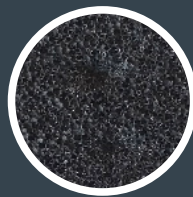
Highly flame retardant reticulated foam capable of meeting class - 0, EN45545-2.

FILTRATION FOAMS – ODOUR REMOVAL



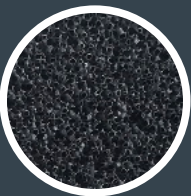
CARBOTEC-FB

Non-woven polyester, post treated with activated carbon.



CARBOTEC-ST17-2.0

Open cell polyether foam, post treated with activated carbon.



CARBOTEC-RS60

Reticulated polyester foam, post treated with activated carbon.



CARBOTEC-RT

Reticulated polyether foam, post treated with activated carbon.

