



Optimising Re-use in Mechanical Services and HVAC Materials



CUTS CO2



SAVES ENERGY



GREATER CIRCULARITY



FULL FLEXIBILITY



CLEANER AIR



SAVES COST



SAVES WEIGHT



SAVES SPACE



ULTRA AIRTIGHT



IMPROVED PERFORMANCE



OPTIMAL IEQ

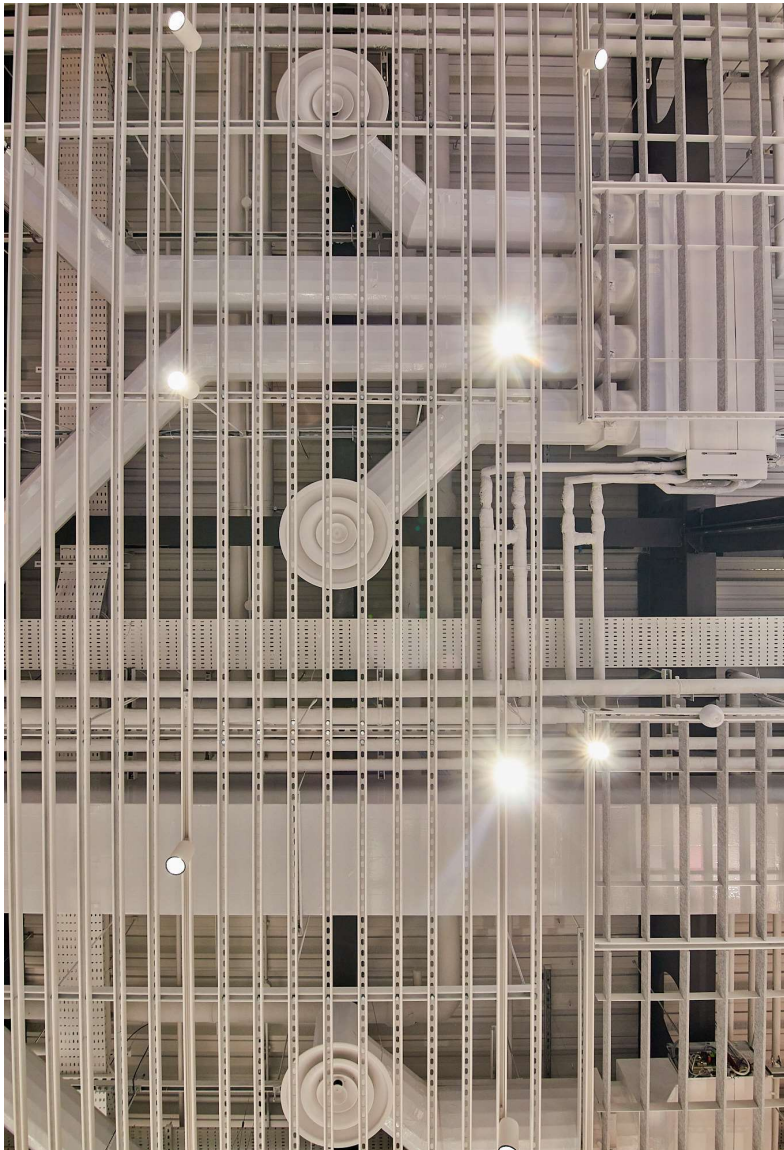


SAVES TIME



COMPLIANT

Suitable for all applications -
internal and external



Introduction to EcoDuct



EcoDuct is an innovative, high-performance, non-metallic, pre-insulated HVAC ductwork system that saves energy, cuts costs and time, reduces environmental impact and delivers clean, uncontaminated air.

We are the only UK manufacturer to supply in all shapes and sizes of phenolic ductwork – circular, flat-oval, square, rectangular and triangular.

EcoDuct products are light, single fit, quick to install, with easy manual handling, fully compliant, with health and safety benefits and the robustness and longevity of conventional metal ductwork.



EcoDuct Unique Attributes



EcoDuct is the **ONLY** phenolic pre-insulated non-metallic ductwork to:

1. Be tested and certified to Class D at 2,500 Pa for ductwork leakage and pressure resistance
2. Be manufactured in the UK in all shapes, dimensions and colours, with all raw materials sourced in the UK
3. Offer a Buy-back Scheme covering both materials delivered to site (equals zero waste on site) and recovery and re-use of materials at the end of the life of the mechanical plant (on demolition or refurbishment)
4. Offer a Product Quality Warranty, subject to approved installation and on-going maintenance
5. Provide detailed embodied carbon calculations showing the actual savings for a specific install



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EcoDuct Unrivalled Green Credentials



Sustainability, Energy and Environmental Benefits

- Reduced embodied (circa 75%) and operational (circa 45%) carbon
- Optimal cradle-to-cradle circularity – recycle, reuse, recover
- CC/HCFC and HFC free; negligible VOCs
- Zero Ozone Depletion Potential (ODP)
- Low Global Warming Potential (GWP)
- Zero asbestos, formaldehyde and chlorine
- Supports enhanced EPC and ESOS certifications/assessments
- Close to zero wastage on site and in production process
- Thermoset process uses far less water than metal
- Enhanced compatibility with BREEAM, LEED, WELL and NABERS and other environmental ratings programs



Transforming Ventilation Circularity



This is achieved in several ways, particularly through the recovery and re-use of the pre-insulated ductwork, which cannot be done with metal ductwork plus insulation:

- **The durable insulation material has an indefinite life span and the precision fabrication of EcoDuct optimises robustness and longevity, hence the unrivalled product warranty and end-of life buy-back.**
- **Production process minimises waste ($\leq 5\%$) through optimal nesting.**
- **All production waste returned to board manufacturer for recycling.**
- **All delivery pallets returned from site to the factory for re-use.**
- **Site waste minimised through delivery of exact requirements (section dimensions and lengths supplied according to as-install drawings).**
- **All site waste or excess sections returned to factory for recycle or re-use.**
- **Recovery and re-use at the end-of-life of the ventilation system, without the need for recycling (typically only cleaning required).**
- **If end-of life material cannot be re-used, then it is recycled.**

The difference is stark



EcoDuct installed:



EcoDuct returned for re-use:



Metal plus insulation:



Metal plus insulation removed:

