



# Wykamol our commitment to recycling and renewable energy



**MAKING AN ENVIRONMENTAL DIFFERENCE**



NBS



Basement  
Waterproofing  
ASSOCIATION



# ENERGY USAGE



## Solar Panels

In July 2021, Wykamol finalised the installation of 400 solar panels which collaboratively provides a 130-kW system across its two manufacturing sites. Generating 110,000 kW•h per annum, this equates to a saving of 25 tons of CO<sub>2</sub> emissions every year<sup>1</sup>. In real terms, this is the equivalent of 199,842 miles driven by an average gasoline-powered passenger vehicle or 9,482,661 smartphone charges.<sup>2</sup> Wykamol's Operations Department monitor and report on energy usage monthly and have mandated high-load machine shutdowns to reduce energy consumption. Machinery is also constantly tested for efficiency and upgraded or replaced with more efficient technologies.

## Transport and Travel

With an existing 6 electric vehicles in the fleet and 2 on-site charging points, Wykamol is on target for a completely electric vehicle fleet by the end of 2026. According to EDF Energy, electric vehicles produce 17%-30% less carbon emissions than driving a petrol or diesel vehicle and 25% less than a hybrid<sup>3</sup>.

All carriers go through rigorous supplier checks as per the standard Wykamol Supplier Application Form<sup>4</sup>. Wykamol constantly engages in dialogue with key suppliers to promote the development of environmental best practices, and where possible, ISO14001-certified, and UK-based suppliers are prioritised.

Core carriers are chosen based on their commitment to sustainable practices.



While chosen carrier DPD already have 2,966 electric vehicles on the road<sup>5</sup>, Wykamol's secondary carrier, Bowker Transport, is currently trialling electric vehicles in their fleet<sup>6</sup>, and is already a member of Operation Clean Sweep: An international initiative to reduce plastic pellet loss to the environment, and The Responsible Care Initiative, which focuses on 'the chemical industry's commitment to continual improvement in health, safety, security and environmental performance'<sup>7</sup>.

Wykamol's genuine manufacturing capabilities vastly reduce the carbon footprint generated by transport. Whereas competitors will typically transport approximately 7680 kg loads of membranes (or 384 8mm cavity drain membranes) from the EU at one time, Wykamol transports single loads of 25-ton raw materials; the equivalent of 1,250 8mm membranes.

The same applies to the majority of Wykamol's chemical products, as raw materials alone are shipped to our warehouses, meaning the overall weight of the shipment is significantly smaller than if products are already individually packed, and carrier space is optimised.

### **Recycling as a Manufacturer**

Wykamol's cavity drain membrane extrusion plant also houses an HDPE and cardboard recycling plant. 100% of waste

HDPE is ground up and reused, meaning Wykamol's membrane plant generates zero waste and runs on the clean energy generated by solar panels. As an added initiative, all cardboard waste is recycled on-site and used to produce new packing materials, which has made the use of materials such as bubble wrap redundant. Previously 10 rolls of bubble wrap per week were used, which means 4160 kg of single-use plastic is eradicated every year.

All products are now provided or will be provided in a minimum of 30% PCR (post-consumer recycled) containers. New initiatives have been implemented to encourage the reuse of these plastic containers by contractors and end-users. For example, MCS1 RTU Mould Clear Solution is now supplied in an extremely hardy 30% PCR spray bottle, and 5 Litre refills are sold to encourage contractors to reuse and recycle.



## Homes Act 2018 - Fitness for Human Habitation

Since before the passing of this act, Wykamol has focused on manufacturing products that improve the internal environment of a dwelling. Products such as Renovation Plaster (which contains perlite to improve u-values on walls) dates back to 2001 and has had continuous formulation improvements to bring it in line with present-day standards. The Wykamol Eco Range is now extremely vast and includes products such as mould eradication and prevention systems, waterproof coatings which improve insulation by 25% and TIWI (thin internal wall insulation) which is used as an alternative to CWI (cavity wall insulation), as this product can exacerbate damp bridging and condensation.



## Staff Health and Well-Being

Wykamol engages in a staff vaccine initiative, whereby on an annual basis all employees are offered flu and covid vaccinations, amongst other inoculations recommended by the NHS for general health and well-being.

For employees working in high-risk health and safety roles, such as those working in noisy environments or around harmful chemicals, an annual occupational health check is provided, which includes hearing, dermatological and spirometry lung checks.



References and resources:

<sup>1</sup><https://www.rensmart.com/Calculators/KWH-to-CO2>

<sup>2</sup><https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>

<sup>3</sup><https://www.edfenergy.com/energywise/electric-cars-and-environment>

<sup>4</sup>Wykamol Supplier Application (copy can be provided upon request)

<sup>5</sup><https://green.dpd.co.uk/>

<sup>6</sup><https://www.bowkertransport.co.uk/news/electric-vehicles-being-trialled-within-the-bowker-fleet>

<sup>7</sup><https://www.bowkertransport.co.uk/accreditations-compliance-quality>



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