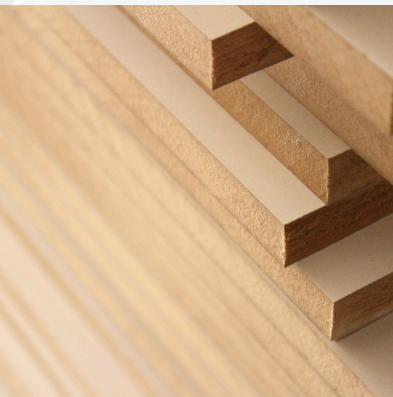


Turning MDF waste into insulation

The Future of Recycled MDF





Recycling MDF waste offers a new perspective in sustainability by converting offcuts into high-quality fibres suitable for innovative applications, such as insulation materials.

MDF Recovery's pioneering technology creates a pathway to reduce waste, minimise environmental impact, and deliver cost-effective solutions for industries seeking greener alternatives.

Innovative technology that transforms waste

MDF Recovery has developed the first economically viable method to recycle MDF waste into reusable fibres.

The process, designed specifically for industrial efficiency, converts MDF offcuts into high-quality fibres without degradation.

Unlike traditional methods, this approach does not handle MDF dust, ensuring a clean, precise system tailored to manufacturers' needs.

Our proprietary ohmic heating technology recycles MDF offcuts into high quality fibres through a gentle process that avoids the use of harsh chemicals. This innovative method operates with low energy consumption, delivering cost-efficiency and environmental benefits.

By significantly reducing harmful emissions including formaldehyde and volatile organic compounds (VOCs), it ensures safety and compliance with strict regulatory standards.

Additionally, the process preserves the integrity of the recovered fibres, maintaining their strength and reliability for reuse in demanding applications.



A kinder, cleaner way to recycle MDF

MDF Recovery's technology offers a softer, more sustainable alternative to chemical or aggressive mechanical recycling methods.

By preserving fibre quality, the process supports long-term sustainability while contributing to modern circular economy goals. The reduced environmental footprint aligns with industries prioritising green initiatives and regulatory compliance.

INSULATION GRADE FIBRES

The fibres recovered through MDF Recovery's process are perfect for insulation production offering significant advantages over synthetic and chemical-based alternatives.

Their key attributes include:

A natural and sustainable composition which provides an eco-friendlier solution than synthetic insulation materials. The fibres are free from harmful chemicals, and a step forwards in sustainable building practices.

High strength and reliability comparable to virgin materials, ensuring durability and performance in insulation applications.

Ease of packaging and handling enabling them to be sold as loose-fill or formed into batts meeting diverse manufacturing and installation needs.

Benefits of Waste-to-Insulation Technology

Sustainable Production:

- Made from upcycled MDF waste, reducing landfill and supporting a circular economy.
- Low carbon footprint, as wood fibres naturally store carbon dioxide.

Health and Safety:

- Contains no added chemicals, unlike Rockwool and foam insulation, making it safer for installers, homeowners, and the environment.
- Does not release harmful particles or VOCs over time.

Environmental Impact:

- Traditional materials like mineral wool and spray foam are energy-intensive to produce, contribute to emissions, and are difficult to recycle.
- Our wood fibre insulation is a greener, fully recyclable alternative that doesn't compromise on quality.

Powering Sustainability

Recycling MDF offcuts into high-quality fibres offers significant advantages across multiple industries, enabling businesses to manage waste more sustainably while unlocking new value.

FURNITURE MANUFACTURERS

Furniture manufacturing generates large quantities of MDF waste during cutting, shaping, and finishing processes.

By partnering with MDF Recovery, manufacturers can turn these offcuts into a valuable resource rather than incurring high costs for disposal.

Recycling fibres into insulation materials not only reduces waste but also aligns with the growing demand for sustainable production practices, helping manufacturers enhance their eco-credentials and appeal to environmentally conscious customers.

CONSTRUCTION AND BUILDING

The construction sector is one of the largest contributors to MDF waste, especially in modular and prefabricated building projects.

MDF offcuts from construction sites can now be recycled into fibres suitable for insulation.

This process not only reduces waste management costs but also allows construction companies to reuse the fibres in their own energy-efficient building projects.

The resulting insulation materials contribute to meeting energy efficiency standards, such as those required for sustainable housing certifications..

WASTE HANDLERS AND RECYCLING CENTRES

Recycling centres and waste management companies can benefit from integrating MDF Recovery's technology into their operations.

By offering a solution for MDF offcuts, waste that is typically difficult to recycle, they can expand their service offerings and create a new revenue stream.

Partnering with MDF Recovery also positions these businesses as leaders in sustainable waste management, meeting the demands of industries seeking greener disposal options.

INSULATION MATERIAL MANUFACTURERS

Manufacturers of insulation products are under increasing pressure to adopt greener and more sustainable practices.

MDF Recovery's high-quality fibres provide a reliable, eco-friendly alternative to traditional materials.

Whether used as loose-fill insulation or formed into batts, these fibres offer versatility and performance, allowing insulation companies to meet market demand for products that reduce energy costs and environmental impact.

As a comparison:

Rockwool: Energy-intensive production, hard to recycle.

Foam Insulation: High carbon footprint, chemical additives, and landfill waste.

MDF Recovery: Natural, chemical-free, sustainable, and fully recyclable.

A Greener Future

MDF Recovery's waste to insulation solution delivers significant sustainability benefits by diverting MDF waste from landfill and incineration, thereby reducing CO₂ emissions and conserving valuable resources.

The process supports energy efficiency through the creation of high-performance insulating materials, while contributing to circular economy goals by ensuring materials are reused rather than discarded.

Additionally, it reduces dependency on virgin timber, aiding in the fight against deforestation and aligning with global sustainability initiatives.

**Lower CO₂
emissions**

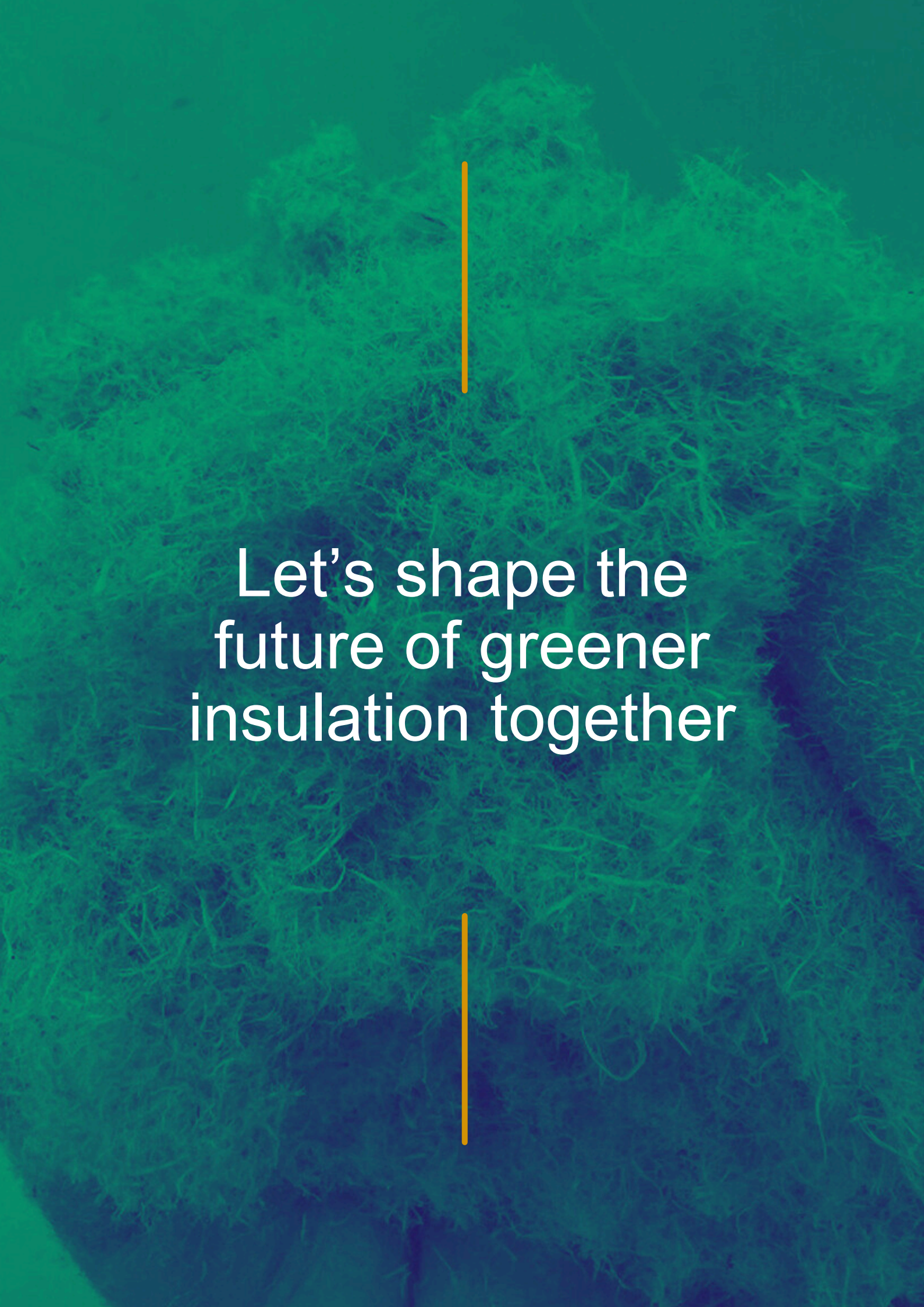


**No added
chemicals**

**Sustainable
products**



**Lower
manufacturing
costs**



Let's shape the
future of greener
insulation together

Working Together

With a focus on environmental and financial impact, MDF Recovery's technology empowers businesses to achieve their sustainability objectives while exploring new revenue opportunities. Reclaimed fibres provide insulation manufacturers with a versatile, reliable raw material that aligns with eco-conscious consumer demand.

Take the first step towards a sustainable future with MDF Recovery. Our waste to insulation solution offers the perfect mix of innovation, efficiency, and environmental responsibility.

Contact us to learn more.

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