

# LIFE CYCLE ASSESSMENT

How switching to our engineered wood panels helps housebuilders lower their Scope 3 emissions.



## RESOURCES

We're dedicated to producing board from sustainable sources of wood only. All of the wood we use comes from responsibly managed forests, or from recycled material.

Young, fast-growing trees are the lungs of the world, breathing in carbon dioxide and exhaling oxygen. By replanting trees, sustainable forestry ensures that more oxygen-emitting woodlands are created every year.



## PROCESSING

Heat, steam, and gases that develop during our manufacturing processes are captured to provide energy to our mills. 75% of the energy used to produce our wood panel products is derived from renewables – residues left over in the manufacturing process. In the UK, West Fraser uses 1.5 million metric tons of biomass every year for energy – that's the equivalent of about two million barrels of oil. This helps us **REDUCE** our carbon footprint, and **LOWER** your Scope 3 emissions.



## MANUFACTURING

All West Fraser's UK manufacturing sites are certified to the coveted environmental criteria of ISO14001. Monitored emission controls, treated water run-off, transport optimisation, proactive safety and COSHH training all aid the above. Virtually every part of a log will find use within our operations and even sawdust and shavings are used in our MDF plant or are transformed into fuel and energy to run the mill.

# DISTRIBUTION

We closely monitor our distribution networks and aim to offer innovative and environmentally sound alternatives to transport by road wherever possible. A substantial part of our supplied round wood reaches our mills via ocean and canal shipping supply lines and we strive to switch more goods to rail. By switching from road to rail we estimate that we will make a saving of around 9,000 tonnes of CO<sub>2</sub> a year.



# USE

Our engineered wood products are a natural, renewable and sustainable building material that store carbon throughout its lifetime. They are a 100% renewable building product and all our UK-made panels are net carbon negative. It is the only major building material that stores carbon for its useful lifetime, being 50% carbon by weight. At West Fraser we lock in 1.1 million tonnes of CO<sub>2</sub>e in Europe every year and our OSB products achieve an A+ rating in the BRE green guide, the highest rating possible.

# END OF LIFE

All of West Fraser's UK wood panels can be recycled where wood recycling facilities are available and we support the circular economy, which is designed to eliminate waste and pollution and keep products and materials in use. We offer suppliers a closed loop wood recycling option where we supply board products to the marketplace and then re-use a proportion of that material, either to produce more board or generate green energy.



Using our net carbon negative products helps housebuilders reduce their Scope 3 emissions.

