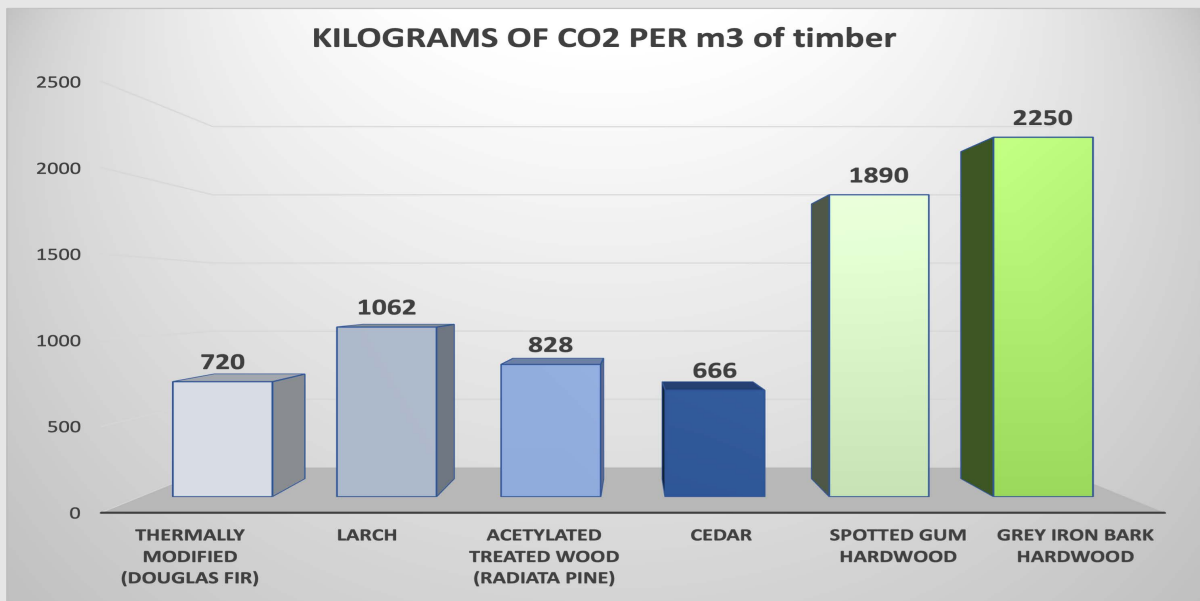


SEQUESTER CARBON IN WOOD

Wood is one of nature's many gifts and in particular its ability at storing carbon (sequestration). This is the process of capturing and storing atmospheric carbon dioxide. Wood on average contains around 1.6kgs to 1.8kgs of carbon per kg of timber regardless of species. However the more dense and heavy the timber, the more carbon it will store per cubic meter.



For instance, consider an average house of 220m². In this scenario, the house could incorporate 100m² of cladding. If cedar were chosen as the cladding material, the weight of the cladding would be approx. 733 kilograms. This weight corresponds to about 1320 kilograms of carbon.

If the same house is clad in Grey Iron Bark cladding, the cladding would weigh approx 2,476kgs which equates to 4457kgs of sequester carbon - over triple the amount!



Not only is hardwood more durable but is also far superior when it comes to carbon sequestration compared to most other timber options available in New Zealand.

