

#WeKnowWood

# Pine | the “wood of the future”

Using a wall made of a multilayer composite material, the researchers at the Fraunhofer WKI demonstrate possible applications for pine - the “wood of the future”. Since pine wood is common in Northern Germany and copes relatively well with climate change, it will be increasingly available in the future. Researchers at the Fraunhofer WKI are working to develop fields of application with high revenue potential for the construction and automotive industries

Pine was planted mainly in Northern Germany after the Second World War and is now becoming ready for felling at relatively the same time. Since not all trees can be felled and processed at the same time, large-dimension pine wood will also be available in the future.

Previous experience in the use of large-dimension pine wood is limited, so researchers at the Fraunhofer WKI are currently investigating the optimal possibilities for its use in the project “Kiefernstolz”.

The project partner Nordwestdeutsche Forstliche Versuchsanstalt (Northwest German Forest Research Institute) is investigating the

utilization potentials and silvicultural strategies for optimal utilization of large-dimension pine wood. At the Georg-August University of Göttingen, analyses of the value-added potential of large-dimension pine wood in northwest Germany are being carried out, and safe and environmentally-friendly harvesting of large-dimension pine wood is being investigated. Products made from large-dimension pine wood are also identified and developed there.

In the Fraunhofer WKI’s technical center, researchers are developing multilayer composites made from large-dimension pine wood ranges originating from the investigations of the project partners.

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