

Wood petrification process successfully recreated

29TH JANUARY ENVIRONMENT FORESTRY NATURE



The water-based product with silicates enters the wood fibre, initialises and then accelerates the wood petrification procedure.
(Image: PR)

By Forestry Journal staff

Staff writers

IT takes nature thousands of years. But the wood petrification process could be "revolutionised" after one company successfully reproduced the activity.

In what it has hailed as a "groundbreaking development", Greenwood Project has created a water-based product with silicates that enter the wood fibre, initialise and then accelerate the wood petrification procedure.

A press release from Austria-based Greenwood added: "The product has the potential to revolutionise multiple wood industries with its practical applications from house constructions, to outdoor spaces as an ultra durable material for any wood project or other sustainable technologies."

Wood petrification is the natural process where organic materials, such as wood, are gradually replaced by minerals over time, eventually turning the timber into a solid stone-like substance. Often, this phenomenon is observed in fossilised wood found in regions like the Petrified Forest National Park in Arizona, where trees have been preserved for millions of years.

The G5 product from Greenwood Protect is certified by the Universities of Stuttgart in Germany and Mississippi in the USA and conforms to all EU norms. It does not contain any chemicals harmful to humans, animals and the environment.