

# Unlocking the mystery of wood petrification

**IN A SIGNIFICANT DEVELOPMENT,** Greenwood Protect in Austria has announced its successful reproduction of the wood petrification process, which has historically taken thousands of years to occur in nature. This scientific achievement offers new possibilities for the wood treatment industry.

Wood petrification is the natural process where organic materials, such as wood, are gradually replaced by minerals over time, eventually turning the wood 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.

Petrified wood is protected against termites, worms, fire, mould, rot,

mushrooms, fresh and sea water and UV radiation. The wood remains bee-friendly. Petrified wood can only be destroyed mechanically.

The breakthrough 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 or the environment. It is a water-based product with silicates that enter the wood fibre and do not leach out over time, initialising and accelerating the petrification. The process is irreversible.

Practical applications range from house construction, to use in outdoor spaces as an ultra-durable material for any wood project. <sup>(NZ)</sup>



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