

Titan Wood in Arnhem (NL) produces Accoya, an acetylated wood that equals the qualities of durable wood from the tropics. It contributes to solving the global problem of an increasing demand for sustainable wood.

Accoya is made using a preservation process based on acetylation, a technique which has been studied for more than 75 years. Acetylation effectively changes the amount of free hydroxyls in wood, so that the wood loses its ability to swell and shrink.

Also the wood is no longer digestible to the enzymes that account for wood decay. Accoya is primarily suitable as a building material and can be used in all kinds of humid conditions. It has been used as an exposed construction material in projects such as the bridge over the N7 national road near Sneek (NL). This project is a design-collaboration by Achterbos Architectuur in collaboration with Onix (*dax 19*).

ACETYLATED WOOD

ACCOYA

TITAN WOOD

POSTBUS 2147

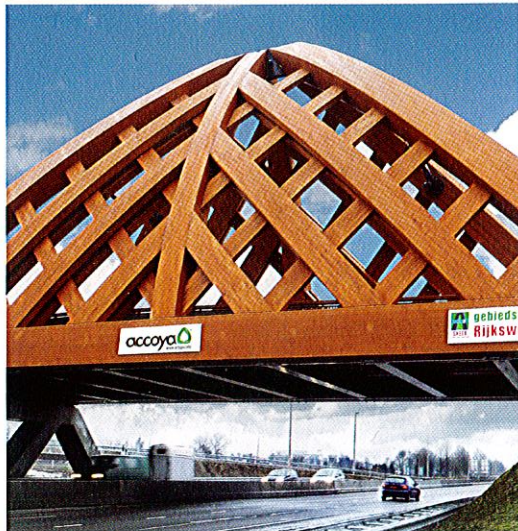
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sustainable wood
acetylation process

1. fresh acetic anhydride
2. acetic anhydride storage
3. acetic anhydride for re-use
4. recycling

