

Investor Alert

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## **Accoya<sup>®</sup> wood outperforms naturally durable timber and other treated alternatives in new study by Scion**

Accsys Technologies PLC, an innovative environmental sciences and technology company primarily focused on the production and licensing of a sustainable and highly durable wood product called Accoya<sup>®</sup>, is pleased to announce that a new report published by Scion confirms Accoya<sup>®</sup> wood to be **more durable than four of the most naturally durable hardwood species** and alternatively treated Radiata pine.

Accoya<sup>®</sup> wood is a highly durable and dimensionally stable timber product that matches or exceeds the durability, stability and beauty of the very best tropical hardwoods. Accoya<sup>®</sup> wood is manufactured through a non-toxic chemical treatment called acetylation that converts sustainably sourced fast growing softwood timber into a durable "high technology wood" well suited to exterior applications such as windows, doors, decking and cladding. Produced by Accsys Technologies via its 100% owned subsidiary, Titan Wood Ltd, at a manufacturing facility in Arnhem, The Netherlands, Accoya<sup>®</sup> wood is currently available worldwide through a network of regional distributors.

The new study conducted by Scion, formerly known as the New Zealand Forest Research Institute, tested Accoya<sup>®</sup> wood in fungus decay chambers and exterior ground contact tests against traditionally durable cypress, cedar, kwila (also known as merbau) and teak timbers. After five years of exposure the study showed Accoya<sup>®</sup> to be in much better condition than all four hardwood species. Parallel tests also showed Accoya<sup>®</sup> to significantly outperform copper chrome arsenate ("CCA") treated Radiata pine.

The latest results add to the extensive laboratory and field testing of Accoya<sup>®</sup> wood performed by leading institutes around the world. These tests have monitored the dimensional stability, durability, UV resistance and paint retention of Accoya<sup>®</sup> wood to ensure optimal performance and reliability.

Paul Clegg, CEO of Accsys Technologies said, *"We are delighted with these latest test results. They further legitimise our claims that Accoya<sup>®</sup> is one of the leading high technology woods. Accoya<sup>®</sup> wood has held Class 1 durability for a long time, it is fascinating to see this highest level of durability extended to new geographies and conditions"*.

**The full report, and lots of other useful information, can be found on the Accoya<sup>®</sup> website at [www.accoya.com/accoya\\_downloads.asp](http://www.accoya.com/accoya_downloads.asp). For further details, please contact Alan Fitzpatrick on +44 20 8150 8835 or [alan.fitzpatrick@accsysplc.com](mailto:alan.fitzpatrick@accsysplc.com)**

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## Notes to Editors:

**The Durability of Accoya® (Radiata Pine) Sapwood Results From Ground Contact Tests After Five Years Exposure Report** was written by Dave Page, Mick Hedley and Jackie van der Waals at Scion, Rotorua, New Zealand and was prepared for Accsys Technologies. To view a full copy of the report, please visit the [Accoya website](#).

**Accsys Technologies PLC ([www.accsysplc.com](http://www.accsysplc.com))** is an environmental science and technology company whose primary focus is on the production of Accoya® wood and technology licensing via its 100% owned subsidiary, Titan Wood Limited, which has manufacturing operations in Arnhem, the Netherlands, a European office in London and an American office in Dallas, Texas. Accsys Technologies is listed on the London Stock Exchange AIM market, and on Euronext Amsterdam by NYSE Euronext, under the symbols 'AXS'. Accsys' operations comprise three principal business units: (i) the Accoya® wood production facility; (ii) technology development, focused on a programme of continuous improvements to the process engineering and operating protocols for the acetylation of wood which are currently under development and the development of technology for the acetylation of wood elements; and (iii) the licensing of technology for the production of Accoya® wood and Tricoya® wood elements across the globe.

**For an archive of Accsys Technologies news,** visit [www.accsysplc.com/news.asp](http://www.accsysplc.com/news.asp)

**Accoya® wood ([www.accoya.com](http://www.accoya.com))** is produced using a process, the subject of patent applications around the world, that effectively converts sustainably grown softwoods and non-durable hardwoods into what is best described as a "high technology wood". Distinguished by its durability, dimensional stability and, perhaps most importantly of all, its reliability (in terms of consistency of both supply and quality), Accoya® wood is particularly suited to exterior applications where performance and appearance are valued. Unlike most tropical and European hardwoods, its colour does not degrade when exposed to ultraviolet light. Moreover, the Accoya® wood production process does not compromise the wood's strength or machinability. The combination of UV resistance, dimensional stability, durability and retained strength means that Accoya® wood offers a wealth of new opportunities to architects, designers and specifiers. For marine uses where weight is also important, Accoya® wood for the first time provides boat builders with a wood that is strong, lightweight, durable and retains its natural beauty for far longer.

**For a full archive of Accoya® news,** visit [www.accoya.com/news.asp](http://www.accoya.com/news.asp).

**Wood Acetylation** is a process which increases the amount of 'acetyl' molecules in wood, thereby changing its physical properties. The process protects wood from rot by making it "inedible" to most micro-organisms and insects, without - unlike conventional treatments - making it toxic. It also greatly reduces the wood's tendency to swell and shrink, making it less prone to cracking and ensuring that, when painted, it requires dramatically reduced maintenance.

## **Scion ([www.scionresearch.com](http://www.scionresearch.com))**

Scion is a New Zealand Crown Research Institute that undertakes research, science and technology development in forestry, wood products, biomaterials and bioenergy. Scion's work contributes to beneficial economic, environmental and social outcomes for New Zealand. Formerly the NZ Forest Research Institute, Scion employs approximately 340 people and has its head office in Rotorua. For more information, please visit [www.scionresearch.com](http://www.scionresearch.com)

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