

## Canal Lining, The Netherlands



### Flevoland

#### Principal

Waterschap Zuiderzeeland

#### Project Location

Near the junctions of the N301 and N305 Nijkerk - Zeewolde

#### Date

April 1995

#### Evaluation

July 2004: the canal lining remains intact and shows no sign of fungal damage

#### Material

Approximately 20 linear metres of canal lining made of acetylated poplar and pine

## Office Terrace Decking, United Kingdom



### Investment Bank Office, London

**Principal**

Investment Bank, Mayfair, London

**Project Location**

Berkeley Square, Mayfair, London W1

**Date**

July 2006

**Material & Finish**

Approximately 30 m<sup>2</sup> Accoya<sup>®</sup> wood profiled deck units of 28x95 mm boards. Machine-profiled by Houtindustrie MEVO in Helmond, the Netherlands



## Siding, United Kingdom



### Private home siding, Fife

**Architect**

Gordon Aitken

**Principal**

Private

**Project Location**

Near Glenrothes, Fife, Scotland

**Date**

July 2006

**Material & Finishing**

Approximately 30 m<sup>2</sup> Accoya<sup>®</sup> wood profiled façade cladding.  
Rough sawn dimensions 25x150 mm

Machine-profiled by BSW Timber, Carlisle.

Factory coated with a translucent Sikkens Natural Balance coating system, backed by an industry-first 10 year guarantee for cladding with a contemporary smooth surface.

## Heavy Traffic Road Bridges, The Netherlands



Two wooden bridges for heavy road traffic up to 65 tonnes over the A7 at Sneek

### Architects

Achterbosch Architectuur - Hans Achterbosch  
Onix - Alex van de Beld, Haiko Meijer

### Principal

Province of Friesland

### Contractor

Schaffitzel Holzindustrie GmbH, Schwäbisch Hall

### Engineering

H.E. Lünig Adviesbureau voor technische houtconstructies  
Oranjewoud Mobiliteit & Infrastructuur  
GLC Houtconstructies

### Project Location

Across A7 near the city districts of Akkerwinde and Molenkrite

### Date

First bridge - 2008; second bridge to be completed - 2010

### Material & Finish (first bridge)

Approximately 1,200 m<sup>3</sup> strength graded Accoya<sup>®</sup> wood. Finger-jointing and laminating to the required construction dimensions. Factory applied coating: Remmers GN Primer plus 2 layers Remmers HK Lazur (Pine shade). Onsite coating (April 2009): 1 layer Remmers HK Lazur (Pine shade)

### Comments

"A bridge made of wood with a service life of around 80 years – this was our key challenge in the search for the right type of timber. The wood had to exhibit a sufficient load bearing capacity and have minimal swelling and shrinkage. It seemed an impossible task until we discovered Accoya<sup>®</sup>, which has all the properties that we needed. We now have a bridge that everyone is wildly enthusiastic about and which even won the 2008 Public Prize for the most striking construction in Sneek. We are all delighted." Clients, S. Hoitinga & P. de Jong from Friesland local authority.



## Canal Lining, The Netherlands



### Voorthuizen

**Principal**

Waterschap Vallei en Eem

**Supplier**

Reef Hout BV, the Netherlands

**Project Location**

Plaggenmeijerslaan near Kolenbranderslaan in Voorthuizen

**Work**

Canal lining of 260 linear metres

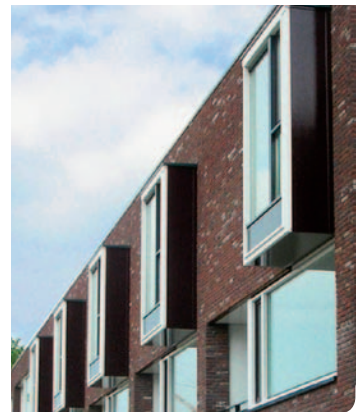
**Date**

May 2007

**Material & Finishing**

Accoya<sup>®</sup> wood boards, 25 mm thick and 150 mm wide. No profiling or finishing was required.

## House & Apartment Windows, The Netherlands



Accoya<sup>®</sup> wood standard windows and large window frames were used in the new build of 51 family houses and 119 apartments in a project called Nieuwe Vaart, located at Norgstraat, Oosterhesselenstraat and Valthestraat in Den Haag

### Architect

Steenhuis Bukman Architecten, Delft

### Principal

Staedion / Bo Mor BV ([www.staedion.nl](http://www.staedion.nl))

### Contractor

Erabouw BV, Zoetermeer

### Joinery Company

Nijhuis Toelevering, Rijssen ([www.nijhuistoelevering.nl](http://www.nijhuistoelevering.nl))

### Date

October 2007 to November 2008

### Material & Finish

Approximately 250 m<sup>3</sup> Accoya<sup>®</sup> wood, FSC certified, with rough sawn dimensions up to 100x150 mm. The wood was flow coated with Sikkens Rubbol WP 195 and Sikkens Rubbol 378 at the joinery company and painted on site with 2 layers of Sikkens Rubbol.

### Comments

"The risk analyses done by research establishment TNO told us that we are dealing here with a very durable product that requires much less maintenance. Tests showed Accoya<sup>®</sup> wood to be of superior quality to Dark Red Meranti". Mr. Koen Veenhuizen, Staedion.



## Replacement Windows & Doors, The Netherlands



The replacement of windows and exterior doors in 32 homes in the Textiel area of Tilburg

### Architect

Pierre van der Geld & Partners, Hilvarenbeek

### Principal

TIWOS housing corporation, Tilburg

### Contractor

Vermeulen Bouw, Rijen

### Joinery Company

TimmerSelekt Doornenbal, Veenendaal

### Date

August to December 2007

### Material & Finish

The doors and windows, using approximately 20 m<sup>3</sup> of FSC certified Accoya<sup>®</sup> wood, were glazed and coated before delivery, allowing for rapid installation. The coating used is a water based system from D&M coatings.

### Comments

"As a housing corporation it is our social responsibility to use durable, sustainable and low maintenance building materials. When we were looking for new innovations we visited Titan Wood and were immediately convinced by the durability and low maintenance requirements of this modified wood". Mr. Van Maarschalkerwaard, TIWOS.

## Replacement Windows, The Netherlands



### Replacement windows in a privately owned café in Heemstede

**Principal**

Private owner

**Constructor**

Mulder, Obdam

**Joinery Company**

Wesselink Kozijnen, Doetinchem ([www.wesselinkbv.nl](http://www.wesselinkbv.nl))

**Date**

November 2007

**Material & Finish**

Approximately 2 m<sup>3</sup> Accoya<sup>®</sup> wood from sawn timber dimensions 63x125, 75x125 and 100x125mm



## Office Siding, The Netherlands



Laminated Accoya<sup>®</sup> wood siding for the new offices of GoGo Tours at Bahialaan, Rotterdam

### Architect

Mei Architecten en Stedebouwers, Rotterdam  
(www.mei-arch.nl)

### Principal

GoGo Tours, Bahialaan 2, Rotterdam

### Contractor

Dura Vermeer Bouw, Rotterdam

### Engineering

Bouwadviesbureau Van der Ven BS, Ridderkerk

### Supplier

GLC Houtconstructies BV, Duiven

### Date

November 2007

### Material & Finish

Approx. 40 m<sup>3</sup> Accoya<sup>®</sup> wood from sawn timber dimensions 38 x 125 mm planed and edge-laminated to form siding panels. The panels are finished with Sansin white translucent coating.

### Comments

"This method of exterior laminating is difficult to achieve with other woods but the stability, durability and the absence of cracks in Accoya<sup>®</sup> wood makes it ideal for this application. Accoya<sup>®</sup> wood is a welcome addition to the siding market." Mr. Evert Laarman, GLC Houtconstructies.

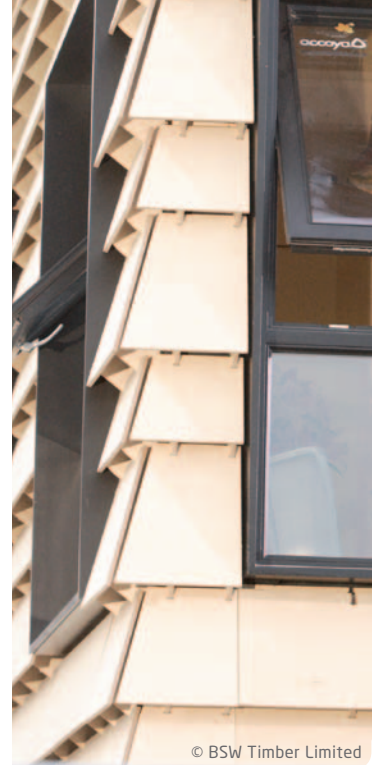
## Sustainable Home Windows & Doors, United Kingdom



© BSW Timber Limited



© BSW Timber Limited



© BSW Timber Limited

This high profile sustainable home was built live on UK television by renowned Grand Designs presenter, Kevin McCloud. It features two doors and eight windows made from Accoya<sup>®</sup> wood.

### Architect

Duncan Baker-Brown, BBM Sustainable Design  
([www.bbm-architects.co.uk](http://www.bbm-architects.co.uk))

### Principal

Grand Designs, Channel 4 TV

### Joinery Company

Westgate Joinery

### Date

4-9 May 2008

### Material & Finish

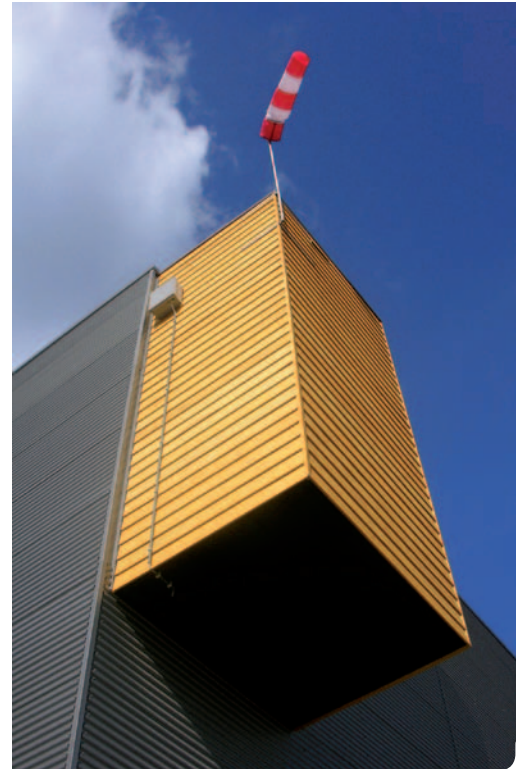
1.5 m<sup>3</sup> of Accoya<sup>®</sup> wood, glazed with Pilkington energiKare double glazed units, high performance ironmongery from Titon Hardware Ltd and AGB. The joinery was factory finished with a three coat paint system by Teknos UK.

### Comments

"Accoya<sup>®</sup> delivers superior levels of performance, stability and durability, allowing for greater flexibility and reducing the wood's tendency to shrink. It provides good environmental credentials by using wood from sustainable plantations and is 100% non-toxic. The wood's appearance, natural colour and strength are not affected in the process." Duncan Baker-Brown, architect.



## Factory Siding, The Netherlands



External cladding on Titan Wood's Accoya<sup>®</sup> production plant in Arnhem

**Architect**

Titan Wood BV, Arnhem

**Principal**

Titan Wood BV, Arnhem

**Contractor**

Bouwbedrijf Achterstraat, Lunteren

**Profiling Company**

MEVO, Helmond

**Date**

February 2008

**Material & Finish**

10 m<sup>3</sup> of Swedish Rabat band-sawn Accoya<sup>®</sup> wood exterior cladding, finished with 1 layer of Remmers Aidol SW900 and 2 layers of Remmers Aidol GW310 in color nr. RC-270 (pine).

**Comments**

"Working with Accoya<sup>®</sup> wood was a pleasure. It showed no signs of the bowing or cupping that can make the installation of cladding boards difficult. When you look at these walls, you can see that it gives a very smooth and stylish appearance; this is due to Accoya<sup>®</sup> wood's outstanding dimensional stability." Peter Achterstraat, contractor.

## Lighthouse Refurbishment, Republic of Ireland



© Abbey Woods



© Abbey Woods



© Abbey Woods

The installation of 27 Accoya<sup>®</sup> wood window frames as part of the refurbishment of the historic Long Hill Lighthouse, County Wicklow, which was built in 1781. The new frames replace Southern Yellow Pine frames which were installed 15 years ago. Accoya<sup>®</sup> wood was chosen for its long service life and proven record in withstanding the toughest external environments.

### Architect

Robin Mandal Architects ([www.meetinghall.ie/robin](http://www.meetinghall.ie/robin))

### Principal

Irish Landmark Trust ([www.irishlandmark.com](http://www.irishlandmark.com))

### Project Location

Long Hill Lighthouse, Wicklow Head, County Wicklow

### Date

October 2008

### Material & Finish

3 m<sup>3</sup> Accoya<sup>®</sup> wood, supplied by Abbey Woods. The windows were factory primed and brush painted on-site.

### Comments

"Accoya<sup>®</sup> wood was the obvious choice for this project because we needed a product that would stand the test of time in the harshest of conditions. With its superior levels of performance, stability and durability, Accoya<sup>®</sup> wood was the perfect product to complete this picturesque building." John Bolger, W&J Bolger Limited, Timber Window Specialist.



## Windows & Doors, USA



Private residence, Utah

**Architect**

JSA Architects, LLC ([www.jsa-llc.com](http://www.jsa-llc.com))

**Principal**

Mark Miller

**Window & Door Manufacturer**

Eco Casa

**Project Location**

Sunnyside Drive, Park City, Utah

**Date**

April 2009

**Material & Finish**

3,500 board feet of Accoya<sup>®</sup> wood were used for the exterior doors and 78 mm tilt and turn windows. Milesi water-based Hydrocrom outdoor coating.

## Extension to a Private Villa, The Netherlands



Extension of private villa with hot tub & leisure area, Doorn

**Architect**

Rondawinkelaar Architects ([www.rondawinkelaar.nl](http://www.rondawinkelaar.nl))

**Principal**

Private

**Constructor**

Quintin Tonnard / Espacio constructives

**Contractor**

Bouwbedrijf Aalberts

**Date**

February 2009

**Material & Finish**

7.3 m<sup>3</sup> of Accoya<sup>®</sup> wood in timber dimension 12x60 mm (thickness x width). 3 layers of Sikken Cetol HLS+ coating.

**Comments**

"The façade of the veranda and the newly built section are made from Accoya<sup>®</sup> wood, a new and durable product that has been modified through and through and lasts for at least 50 years. "Because it is situated in the woods, we chose a vertical wooden siding to create a relationship with the environment", Bob Rondawinkelaar Architects.



## Terrace Decking, Switzerland



Private home, Sempach Stadt

**Architect**

Am Gartenbau GmbH 6206 Neuenkirch

**Principal**

Private owner

**Distributor**

Holz-Pur, 6206 Neuenkirch

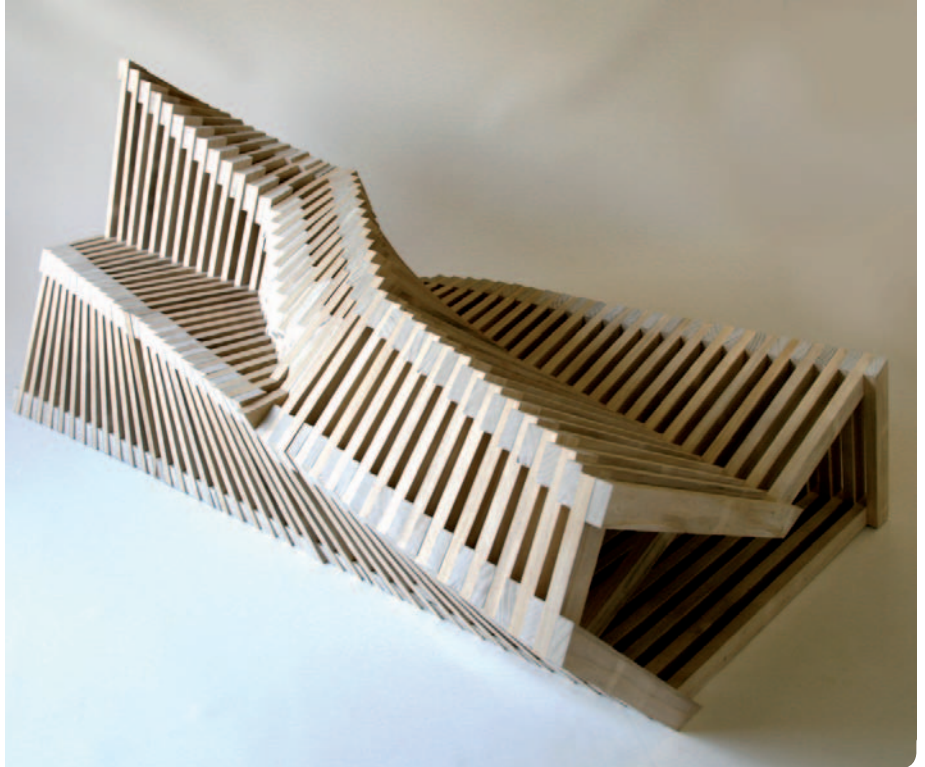
**Date**

May 2009

**Material & Finish**

Approximately 20 m<sup>2</sup> of Accoya<sup>®</sup> wood in sawn timber dimensions 27 x 120 mm before profiling and finishing. All sides were planed and the topside was sanded. Assembled using hidden stainless steel fasteners.

## Outdoor Furniture, The Netherlands



Accoya<sup>®</sup> wood benches and a waste container on the roof terrace of the Picasso High School, Zoetermeer

### Architect

Tejo Remy & René Veenhuizen design  
([www.remyveenhuizen.nl](http://www.remyveenhuizen.nl))

### Principal

Picasso Lyceum

### Joinery Company

Brandwacht en Meijer, Utrecht, The Netherlands

### Supplier

Stiho Utrecht

### Date

February 2009

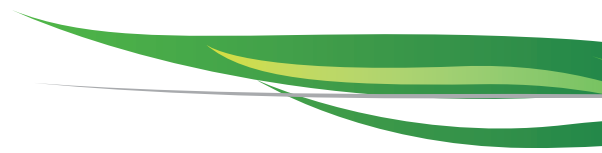
### Material & Finish

1,800 m of Accoya<sup>®</sup> wood profiled into 30x69 mm pieces and assembled. The project was uncoated to allow natural weathering.

### Notes

This design, called Rif, was officially launched by the local town deputy Mr. Pieter Smit from the department for Art and Culture. These bench designs were also exhibited at the Industry Gallery in Washington DC in March 2010.





## Lifting Bridge, The Netherlands



Renovation of a bicycle and pedestrian lifting bridge across canal near a pavilion, Nijetrijne

**Architect**

Wetterskip Fryslân

**Principal**

Municipality Weststellingwerf

**Structural Engineering & Supplier**

GLC Houtconstructies, Duiven, the Netherlands

**Contractor**

De Boer en De Groot BV

**Date**

March 2008

**Material & Finish**

The 250 x 250 mm portal arch, 150 x 200 mm shores and the guardrails are made from Accoya<sup>®</sup> wood. Arch and shores are finger jointed and laminated Accoya<sup>®</sup> wood sections. The deck is made from Azobé and steel. The Accoya<sup>®</sup> wood is finished with a white opaque coating.

**Comments**

"The aim was to have this traditionally designed bridge made from sustainable wood with class 1 durability, and painted in white for a classical look. Accoya<sup>®</sup> wood appeared to be very suitable for the superstructure and could be delivered in time. In addition to the fact that the wood can be coated very easily, we expect the coating to last longer on Accoya<sup>®</sup> than on tropical hardwoods", Mrs. Claudia de Glee-Visser, Wetterskip Fryslân.

## Shading & Expansion Joints, USA



The renovation of a 1960's private residence, Sedona, Arizona

### Principal

David Vickery Construction Inc

### Project Location

Wickiup Drive, Sedona, AZ, USA

### Date

March 2009

### Material & Finish

Roof: approximately 2,000 linear feet of rough sawn Accoya<sup>®</sup> wood finished with Sikkens Rubbol Siding Finish. Hybrid alkyd acrylic SIK56140-05, low sheen solid stain for vertical surfaces.

Expansion joints: approximately 1,400 lf of rough sawn Accoya<sup>®</sup> left uncoated.

### Comments

Concrete patios, driveways and sidewalks are frequently installed with wooden expansion joints. These joints absorb the heat-induced expansion and contraction of the concrete and prevent cracking. Over time, however, the wood in the expansion joints will decay and missing material will make the joints unsightly and, potentially, a trip hazard. Accoya wood was chosen for the expansion joints in the patio areas in this project because it would last longer and remain stable in this dry desert climate. This is the first time Accoya wood has been used in this application.

Stability and durability were also key reasons why Accoya wood was chosen for the shading.



## Golf Club Windows, Doors & Shading, The Netherlands



### New Naarderbos golf club house, Naarden

**Architect**

DOG Architecten, Ysbrechtum

**Principal**

Golf club Naarderbos

**Contractor**

Coen Hagedoorn Bouw BV, Huizen

**Joinery Company**

Houtindustrie Van de Witte, Buitenpost

**Date**

2009

**Material & Finish**

Approximately 110 m<sup>3</sup> of Accoya<sup>®</sup> wood used for windows, shading and doors. In consultation with Sikkens' Project Advisory & Support Team, Sikkens Cetol WM 670 and Cetol WF 955 coatings were applied at the joinery and Sikkens Cetol TGX Gloss (exterior) and Cetol BL Décor (interior) coatings were applied on-site.

**Comments**

"What is new and beautiful should stay new and beautiful...! Accoya<sup>®</sup> wood offers the ideal solution from an economic perspective and from a sustainable perspective, too," Rogier Blom, AkzoNobel Decorative Coatings BV.

## Terrace Decking, Switzerland



Private home, Altishofen

**Architect**

Renggli AG, 6247 Schötz

**Principal**

Private owner

**Distributor**

Holz-Pur, 6206 Neuenkirch

**Date**

May 2009

**Material & Finish**

Approximately 35 m<sup>2</sup> of Accoya<sup>®</sup> wood in sawn timber dimension 27 x 120 mm without profiling and finishing. All sides were planed and the top is sanded. Assembled on ground beams, fastened from beneath with hidden stainless steel fasteners.



## Roof Terrace, Austria



### Private residence, Winden am See

**Architect**

Osa, Ulrich Beckefeld, Wien

**Principal**

Private owner

**Joinery Company**

Kattun, Eisenberg an der Raab & Vienna

**Date**

September / October 2009

**Material & Finish**

Approximately 1 m<sup>3</sup> of Accoya<sup>®</sup> wood, 22 x 150 mm, planed and uncoated. Assembled using stainless steel fasteners.

**Comments**

The roof of the garden house needed renewing and the opportunity was used to build a small sun terrace, constructed entirely from Accoya<sup>®</sup> wood. The wood was left uncoated to allow for natural weathering.

## Green Life Smart Life Showcase Home, USA



### LEED-H Gold Green Life Smart Life showcase home, Narragansett, Rhode Island

**Architect**

Laura D. Krekorian

**Principal**

Joseph & Kimberly Hageman

**Engineering**

Ernie George

**Contractor**

A+ Homes, Jamestown, RI, USA

**Date**

November 2009

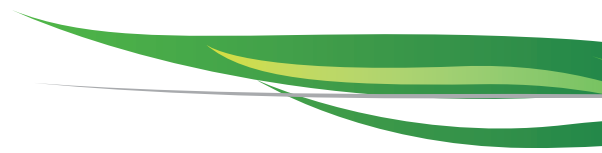
**Material & Finish**

Approximately 3.5 m<sup>3</sup> of Accoya<sup>®</sup> wood was used for the front porch and steps and the rear deck. A clear polyurethane coating was used and the deck was assembled using Eb-ty hidden deck fasteners.

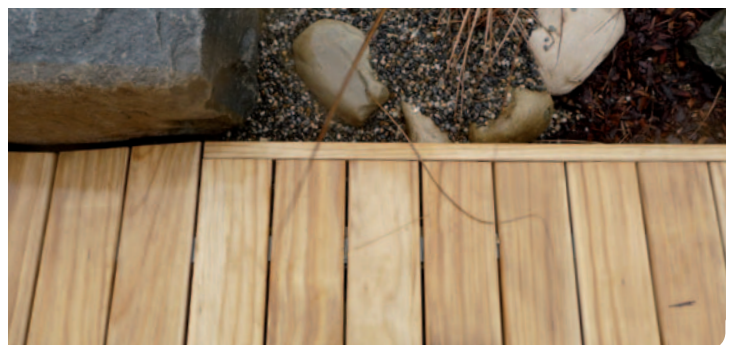
**Notes**

The use of Accoya<sup>®</sup> wood contributed to the project's LEED-H points in the category of Materials & Resources. The home achieved an official rating by the US Green Building Council as a GOLD certified LEED<sup>®</sup> for Home Project and is the first LEED-H Gold Home in Rhode Island. Further information and images: [www.greenlifesmartlife.com](http://www.greenlifesmartlife.com)





## Swimming Pool Decking, Switzerland



### Decking around a new outdoor swimming pool, Oensingen

**Architect**

Schmid Generalunternehmung AG, 6030 Ebikon

**Contractor**

Schmid Generalunternehmung AG, 6030 Ebikon

**Joinery Company**

Müller Gartenbau AG, 6044 Ubligenswil

**Date**

October 2009

**Material & Finish**

Approximately 140 m<sup>2</sup> of Accoya<sup>®</sup> wood, sawn dimensions 32 x 120 mm before profiling and finishing, was used. The wood was planed on all sides and the exposed upper surface was varnished. The decking was assembled using hidden stainless steel fasteners mounted on blocks of Accoya<sup>®</sup> wood measuring 75 x 125 mm which were finger jointed with Resorcinol glue.

## Windows & Shutters, Greece



Private residence, Paros

**Principal**

Private owner

**Joinery Company**

Efarmoges, Paros, Greece ([www.efar.gr](http://www.efar.gr))

**Date**

November 2009

**Material & Finish**

Accoya<sup>®</sup> wood frames coated with Sikkens paint were used with Planistar 4 seasons glass. Roto NT hardware was used for the windows and shutters.

**Comments**

Efarmoges provided guarantees of 30 years for the frames and shutters, 10 years for the glass, coating and mechanism and a lifetime guarantee for the ironmongery.



## Windows, Greece



### Private residence, Paros

#### Principal

Private owner

#### Joinery Company

Efarmoges, Paros, Greece (www.efar.gr)

#### Date

November 2009

#### Material & Finish

Accoya<sup>®</sup> wood, Sentor mechanism

#### Comments

Efarmoges provided guarantees of 30 years for the frames and shutters, 10 years for the glass, coating and mechanism and a lifetime guarantee for the ironmongery.

## Earthquake Resistant Housing, China



Chinese Central Government project to develop earthquake resistant wooden homes for new/ replacement housing in Sichuan

**Architect**

South East University

**Principal**

Nanjing Forestry University

**Project Location**

Nanjing Forestry University

**Date**

June 2009

**Material & Finish**

Accoya<sup>®</sup> wood in various dimensions was used for the deck, railings, doors and windows. Coated with VMS coating.



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## Decking & Furniture, Xuhui Garden III, China



Shanghai's Xuhui Garden International Community development covers 68,000 m<sup>2</sup> and includes office space, apartments, houses and clubs.

**Architect**

Shanghai Zhang Ming Architectural Design Firm Co., Ltd.

**Principal**

Shanghai Hangxin Real Estate Co.

**Project Location**

Xu Hul district, Shanghai

**Date**

September 2009

**Material & Finish**

Accoya<sup>®</sup> wood with dimensions of 25/50 x 150 mm, 48 x 48 mm, 28 x 108 mm and 22 x 70/120 mm. Finished with wax oil.



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## Exterior Decoration & Internal Screening & Cladding, China



Leading fast food chain's roll out a new 'booth' design for the refurbishment of half of its outlets in mainland China

### Project Locations

1. Alongside Metro Line 2, Pu Dong District, Shanghai
2. Cloud Nine Shopping Mall, Chang Ning District, Shanghai
3. Carrefour Supermarket, Chang Ning District, Shanghai

### Date

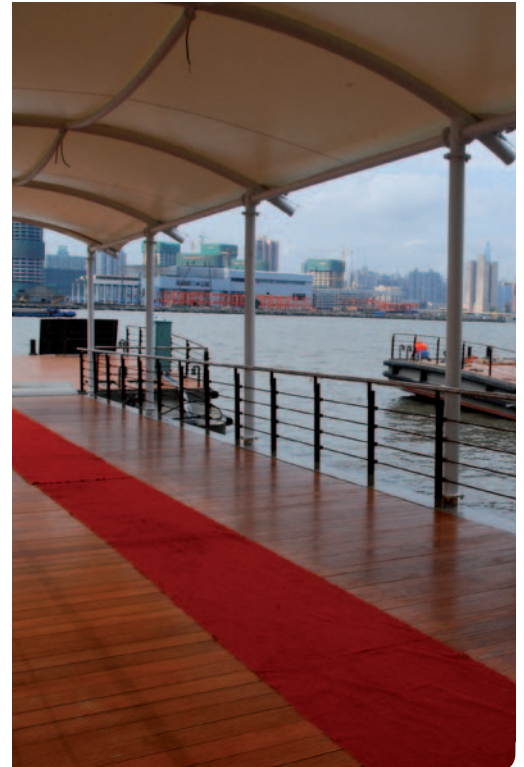
Project commenced Autumn 2009

### Material & Finish

Accoya<sup>®</sup> wood dimensions 60 x 40 mm used for external decoration and internal slatted screens. Accoya<sup>®</sup> wood dimensions 60 x 40 mm, 45 x 45 mm and 40 x 40 mm used for internal wall cladding. Finished with VMS coating.



## Passenger Bridge & Floating Pier Decking, China



Decking for the four approach bridges and two floating platforms of the Shanghai 2010 Expo Pier

### Architect

Shanghai / China Communications Water Transportation Design & Research Co., Ltd.

### Principal

State-Owned Enterprise, Chinese Government

### Project Location

Expo Park, Pu Dong district, Shanghai

### Date

September 2009

### Material & Finish

Approximately 190 m<sup>3</sup> of Accoya<sup>®</sup> wood, dimensions 30 x 145 x 2000/2200 mm, finished with Chuzhiyuan wood wax oil.



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## Decking & Flooring, China



### Shanghai Port International Cruise Terminal, Shanghai

**Architect**

East China Institute of Architectural Design Co., Ltd

**Principal**

Shanghai Port International Cruise Terminal  
Development Co., Ltd

**Project Location**

No. 600 Dongdaming Road, Hongkou district, Shanghai

**Date**

March 2009

**Material & Finish**

Approximately 310 m<sup>3</sup> of Accoya<sup>®</sup> wood used for decking  
and flooring.



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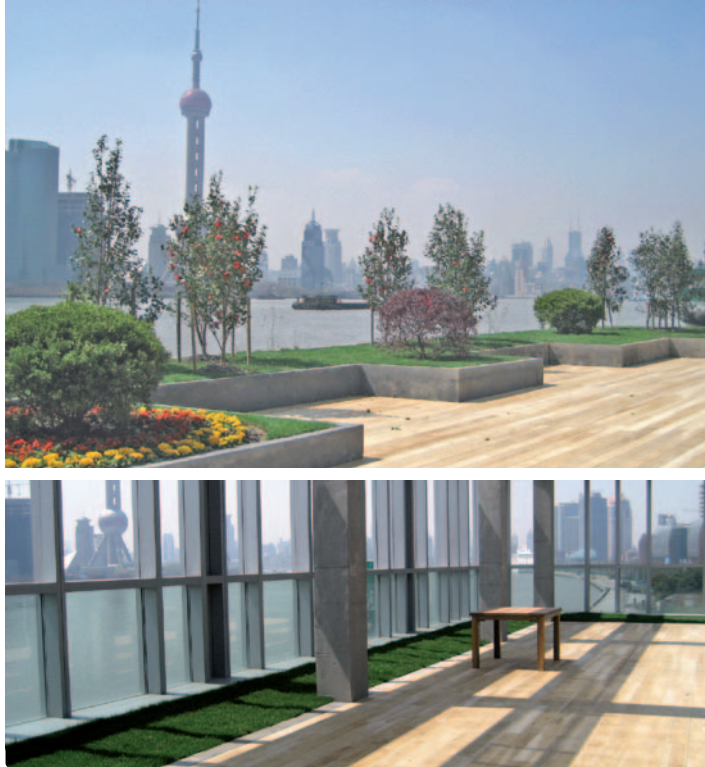
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## Decking, China



Decking for a test area of the Shanghai International Shipping Center, Shanghai

**Architect**

East China Institute of Architectural Design Co., Ltd

**Principal**

Franshion Properties (China) Ltd

**Project Location**

No. 600 Dongdaming Road, Hongkou district, Shanghai

**Date**

March 2009

**Material & Finish**

Approximately 9.6 m<sup>3</sup> Accoya<sup>®</sup> wood.



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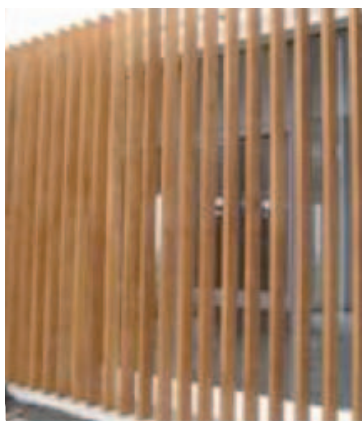
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**ACCSYS**  
TECHNOLOGIES

## External Shading, China



Louvres for the administrative offices of Wison Chemical Company, Nanjing

**Architect**

Architectural Design & Research Institute of  
Tongji University - Tongyan Branch

**Principal**

Wison (Nanjing) Chemical Co., Ltd

**Project Location**

Nanjing Chemical Industrial District

**Date**

May 2009

**Material & Finish**

Approximately 121 m<sup>3</sup> Accoya<sup>®</sup> wood, coated with  
PPG products.



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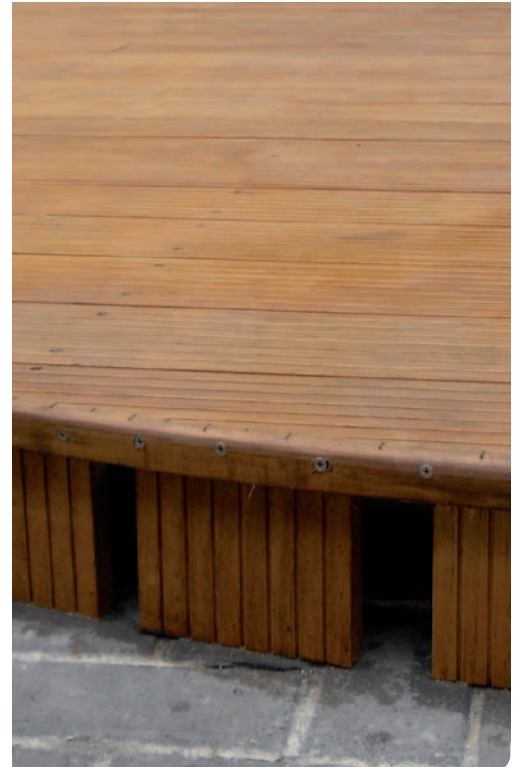
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## Decking & Planters, China



Decking and planters outside the Ai Cao Tang Moxibustion Health Club, Shanghai

**Principal**

Private owners

**Project Location**

Jin An district, Shanghai

**Date**

September 2009

**Material & Finish**

Accoya<sup>®</sup> wood dimensions of 20 x 145 mm and 13 x 70/145 mm with Chuzhiyuan wood wax oil finish.



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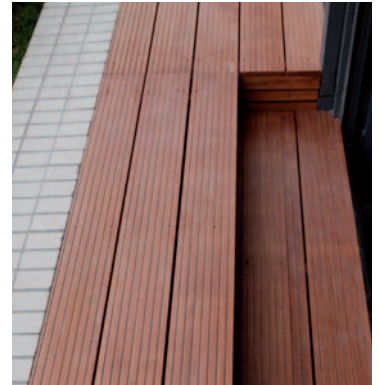
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TECHNOLOGIES

## Decking, China



Decking for the roof garden of Baidu Search Engine's R&D Centre, Shanghai

**Architect**

Shanghai Ganglian Construction &  
Decoration Engineering Co., Ltd

**Principal**

Listed Company

**Project Location**

Jing An district, Shanghai

**Date**

May 2009

**Material & Finish**

Accoya<sup>®</sup> wood dimensions of 20 x 145 mm, finished with  
VMS coating.



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TECHNOLOGIES



## Landscape Architecture, China



Creative wooden landscaping/benches surrounding trees at Beijing Sanlitun North Village, Beijing

**Architect**

The Oval Partnership

**Principal**

Sanliton Property Co.

**Project Location**

North Village at Beijing Sanlitun

**Date**

September 2009

**Material & Finish**

Approximately 3.5 m<sup>2</sup> Accoya<sup>®</sup> wood.



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## Velodrome Track, Georgia



Track surface made from Accoya<sup>®</sup> wood for a new velodrome in Georgia's capital, Tbilisi

**Architect**

Sander Douma Architecten BNA, Stompeloren

**Principal**

Local Georgian investors

**Date**

Installed during spring/summer 2009

**Material & Finish**

Approximately 80 m Accoya<sup>®</sup> wood 50 x 125 mm machined to 45 x 35 mm pieces. The total length of these pieces is 39,000 m.



## Fire Station Cladding, The Netherlands



Rural fire station building, Wesepe

### Architect

19 het atelier architecten, Zwolle

### Principal

City council of Olst-Wijhe

### Contractor

Bouwbedrijf Jansman, Luttenberg

### Supplier

Profiled and delivered by Stiho

### Project Location

Weth. Van Doorninckweg 1, Wesepe

### Date

July to December 2009

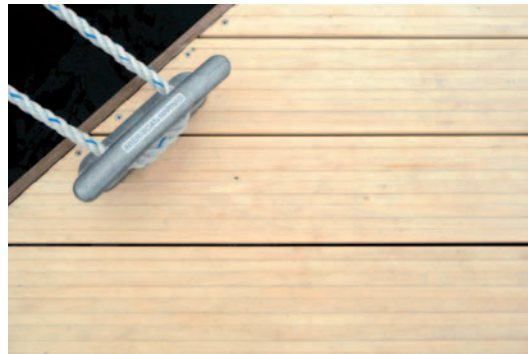
### Material & Finish

906 m<sup>1</sup> FSC Accoya<sup>®</sup> wood profiled as Accent 6 and 688 m<sup>1</sup> FSC Accoya<sup>®</sup> wood profiled as Accent 8, used as cladding. The wood used was FSC certified and was not coated.

### Comments

"Our objective was to design a building that is both durable and sustainable in every way and that sits comfortably amongst the contours of the surrounding countryside. The Accoya<sup>®</sup> cladding fits perfectly with this concept and gives the building a natural appearance and a connection to the environment," said Sara van Popta, architect.

## Marina Decking, The Netherlands



### Yacht Marina, Amsterdam IJburg

**Architect**

Inter Boat Marinas, Puttershoek

**Principal**

Watersportvereniging IJburg

**Contractor**

Seijsener Rekreatietechniek, Zaandam

**Joinery Company**

Inter Boat Marinas, Puttershoek

**Date**

April/May 2009

**Material & Finish**

Unfinished profiled Accoya<sup>®</sup> wood decking

**Comments**

Dutch Minister, Mrs. Jacqueline Cramer, said: "The durable and sustainable properties of Accoya<sup>®</sup> wood make it the perfect alternative to tropical hardwood for marina decks. It has superior resistance to fungi and moisture, yet it contains no toxic chemical additives. In fact, Titan Wood won the 2008 Dutch national sustainability prize, the Ei-van-Columbus (Columbus Egg) for Accoya<sup>®</sup> wood which is an excellent endorsement".



## Landscape Design, United Kingdom



Raised beds, compost bins, decking and bench for show garden, London. Accoya<sup>®</sup> featured in a variety of uses in a unique, sustainable garden which won a coveted Silver Medal at the 2010 RHS Chelsea Flower Show. The garden, entitled 'Places of Change', was collaboration between the Homes and Communities Agency (HCA), the Eden Project, Homeless Link and Communities and Local Government (CLG).

The purpose of the garden was to employ the skills of socially disadvantaged or excluded people at every stage, from its design to growing the plants within it and building the component parts, thereby providing them with experience and training to equip them for future work opportunities.

### Garden Designer & Coordinator

Paul Stone

### Date

May 2010

### Joinery

Clients of the homelessness charity St Mungo's created the Accoya<sup>®</sup> wood raised beds, decking, compost bins and bench at the charity's WoodWorks workshop in West London

### Material & Finish

2.75 m<sup>3</sup> of Accoya<sup>®</sup> wood was used in the project. The wood was left unfinished to allow for a natural, weathered look in a natural environment

### Comments

"The RHS is trying to make sure the Chelsea Flower Show is more sustainable and what we did in the Eden Project garden was true to that vision. We chose Accoya<sup>®</sup> as it is a sustainable, high performance wood that can be used in-ground as well as above ground. Not only is it FSC certified but it is also durable, attractive and extremely versatile, meaning that we could use it across a wide variety of applications in our garden. The fact that it is non-toxic and recyclable adds to its credentials as the perfect wood for a sustainable garden," Paul Stone, Garden Designer, Eden Project.

## Beach Bar & Restaurant, The Netherlands



The construction of a new, upmarket beach bar and restaurant, Breakers Beach House, part of the Grand Hotel Huis Ter Duin in Noordwijk. Set amongst the dunes on a beautiful and popular stretch of beach, facing the North Sea, the building was designed to be sympathetic to the environment. Accoya Wood was used extensively throughout for windows, doors, cladding, railings, trusses, mullions and planters.

### Principal

Grand Hotel Huis Ter Duin, Noordwijk ([www.huisterduin.com](http://www.huisterduin.com))

### Joinery

Van Leeuwen kozijnen ([www.vanleeuwenkozijnen.nl](http://www.vanleeuwenkozijnen.nl))

### Date

Summer 2010

### Material & Finish

Accoya wood was used extensively throughout the building:

- windows
- doors
- cladding
- mullions
- railings
- trusses
- planters

The wood was coated with Sikens Rubbol WP 195 (one flowcoat primer) and Rubbol WF 375 (one spray topcoat).

### Comments

"We considered Meranti and Accoya but ultimately recommended Accoya for its outstanding durability and dimensional stability, attributes that really count in the demanding coastal weather conditions that Breakers is exposed to. Dimensional stability is also very important when you have multiple adjacent doors in order to keep drafts at bay and prevent jamming. We are delighted with the end result which meets our expectations and those of our customer." Eline van Leeuwen, Director, Van Leeuwen kozijnen



## Siding & Rain Screens for Office Complex, United States



The transformation and connection of a Quonset Hut and a warehouse in an area of urban renewal and development in Fort Worth, Texas, to create a new office complex. Accoya<sup>®</sup> wood was used for lap siding and rain screens.

### Architect

Cunningham Architects  
www.cunninghamarchitects.com

### Date

September 2010

### Material & Finish

Accoya wood was selected for rain screens and lap siding and an additional profile was used on the top and backside of the old warehouse.

10,000 lineal feet of Accoya was used for the rain screen strips and 5,000+ lineal feet were used for the hidden nail siding profile. The wood was left uncoated and unstained to allow it to weather naturally.

### Comments

Accoya wood was chosen by Cunningham Architects who sought a dimensionally stable, sustainable, low maintenance material that offered good thermal insulation properties and would contribute to the LEED standards they aimed for.

"To the client the natural beauty of wood was a very important juxtaposition to the surrounding brick and steel," said Lonnie Burns, project lead with Cunningham Architects. "Accoya Wood's impressive environmental credentials and stability allowed us to leave the wood natural, creating a stunning visual impact and a strong environmental statement."

## Replacement Windows, United Kingdom



Replacement windows for the renovation of an historic landmark, the iconic 177 year old Belle Tout Lighthouse, at Beachy Head. The lighthouse opened as a unique guesthouse in 2010.

### Principal

David Shaw, Private Owner

### Joinery

Westgate Joinery  
www.westgatejoinery.co.uk

### Project Location

Beachy Head, near Eastbourne, East Sussex

### Date

Restoration completed March 2010

### Project

The majority of the existing windows were of timber construction in a mixture of styles and species and were generally single glazed and in very poor condition, primarily due to the harsh prevailing weather.

Accoya wood was chosen for the replacement windows as it answered the brief for windows that should:

- be of proven design
- as energy efficient as possible
- require limited ongoing maintenance
- be cost effective both in terms of initial and whole life cost
- be made from a durable and sustainable timber species

The double glazed windows installed carry an 'A' Rating under the BFRC Energy Rating Scheme and were factory coated.

### Comments

"The new windows have made a vast improvement to the property visually and in terms of energy and heat retention and have made a significant reduction in noise from the wind in such an exposed location," said owner, David Shaw.



## Adjustable Exterior Screens, Spain/USA



Accoya<sup>®</sup> wood was used for adjustable exterior screens around a house designed and constructed by the University of Florida team for the 2010 International Solar Decathlon competition in Madrid, Spain. The house was designed to be self-sustaining, using technologies that maximize energy efficiency.

### Principal

University of Florida  
www.solardecathlon.ufl.edu

### Distributor

Universal Forest Products

### Project Location

Madrid, Spain & Gainesville, Florida, USA

### Date

June 2010

### Project

The design merged elements of traditional efficient Florida "Cracker" houses with newer design strategies to create a building that could withstand different climatic conditions while lowering energy consumption and providing optimal liveability.

Accoya wood was chosen for five adjustable exterior screens that help create an adaptable facade to allow in sunlight, provide shade and privacy and protection from wind, rain or solar gain as necessary.

### Comments

"Accoya wood really fell in line with our sustainable goals for the house," said Paige Mainor, design contributor, Project RE:Focus, the University of Florida. "From the beginning, our goal was to work with materials that take into consideration the overall size of the carbon footprint and Accoya wood fitted nicely into that category".

The project, called RE:Focus, was placed overall eighth and took first and second place in the Communications and Energy Balance categories respectively. It was also voted as the favourite in the prestigious Public Choice Award.

## Cladding on School Extension, The Netherlands



Accoya<sup>®</sup> wood was used for cladding a school building extension at the Kandinsky College, Nijmegen.

### Principal

Kandinsky College

### Contractor

Aannemingsbedrijf Cuppens & Zn, Nijmegen

### Profiling & Delivery

Profiled, coated and delivered by Van Drimmelen  
Toelevering B.V., Zwijndrecht

### Project Location

Maldenburgstraat, Nijmegen

### Date

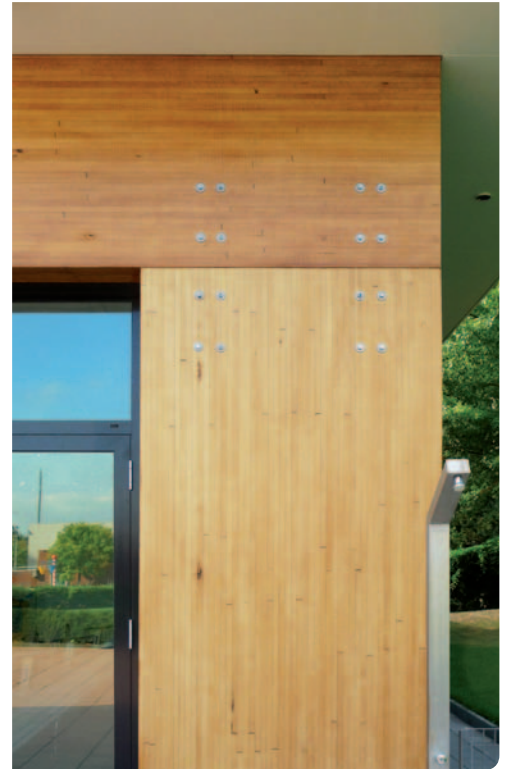
Installed August 2009

### Material & Finish

8 m<sup>3</sup> FSC certified Accoya wood. The wood was profiled to provide approximately 1,200 linear metres measuring 25 x 75 mm, 1,200 linear metres measuring 25 x 200 mm and 30 linear metres measuring 63 x 75 mm with a band sawn surface. Sansin coating was used.



## Wooden Supporting Wall, The Netherlands



Accoya<sup>®</sup> wood was used for the front supporting wall of a public swimming pool building at Stappengoor in Tilburg. The wood is exposed both inside and outside the building.

**Architect**

Architectenwerkgroep, Tilburg

**Principal**

City council of Tilburg

**Contractor**

Bertens Bouw, Tilburg

**Delivery**

GLC-Houtconstructies, Duiven

**Project Location**

Stappengoorseweg, Tilburg

**Date**

January 2009

**Material & Finish**

Finger jointed and glue laminated Accoya wood lengths measuring 270 x 1300 mm and 270 x 1700 mm, finished with 2 layers of Restol Wood Stain brown.

**Comments**

The architect wished to construct a thick wooden wall at the front of the building such that the wood could be seen from both inside and outside. The wall was also to be designed to support the weight of the roof and offer thermal insulation. Accoya wood made this possible because of its dimensional stability and durability in high moisture environments, as well as its thermal insulation properties.

## Cladding/Shading for Water Pumping Station, The Netherlands



"Open" cladding for the new water pumping station J.J.J.M. van der Burg, Monster

### Architect

S2 Architecten BV - Derko-Jan Dollen (currently SOOH)

### Principal

Hoogheemraadschap van Delfland

### Engineering Contractors

Tauw BV, GMB Beton-en industriebouw (civil)  
and Timmers BV (building)

### Project Location

's-Gravenlandseweg, Monster

### Date

December 2009

### Material & Finish

Accoya was chosen as the project required a non-toxic, sustainably sourced material that could be left uncoated but that would be dimensionally stable and durable. Aesthetically a natural look was required, permitting small knots in the wood, provided that the wood's durability and stability performance were not compromised. This was possible with Accoya wood, which was chosen over Western Red Cedar.

The final dimension of 44 x 96 mm was cut and profiled from 50 x 100 mm and 75 x 100 mm pieces of Accoya<sup>®</sup> wood in mixed qualities. The wood was left uncoated for a naturally weathered appearance. Approximately 25 m<sup>3</sup> sawn Accoya<sup>®</sup> was used.

### Comments

"The wood specified for the cladding needed to be FSC certified, with durability class 1, a maximum moisture content of 14-16% and shrink class 1. These stipulations, coupled with a favorable lead time from Accsys, led to the selection of Accoya wood. The principal was also very happy to have a wood with such good sustainability credentials and such an impressive warranty. All in all, Accoya wood is an excellent alternative to tropical hardwoods. The low equilibrium moisture content of Accoya wood prevents the timbers from warping, splitting or moving apart, even at lengths of 6 m. This means that the exterior façades will keep looking good for many years to come." Derko-Jan Dollen, architect.