

# Handrails for outdoor use

Accoya® wood is not a type of wood, but a wood product **with unique features**. Insignis pine from sustainable resources is used as the raw material. To change the long-term substance of the wood, the wood is treated using the acetyl method. The result of this **chemical modification** is solid wood with high resistance, **exceptional dimensional** stability and natural beauty. Accoya® wood can be used for windows and doors, flooring outdoor, garden furniture, bridges and ships, and much more.

## Advantages of accoya® Wood

- ✓ outdoor use
- ✓ easy care (use even without surface treatment)
- ✓ long durability
- ✓ high resistance and dimensional stability



## Sample applications



bridge railing



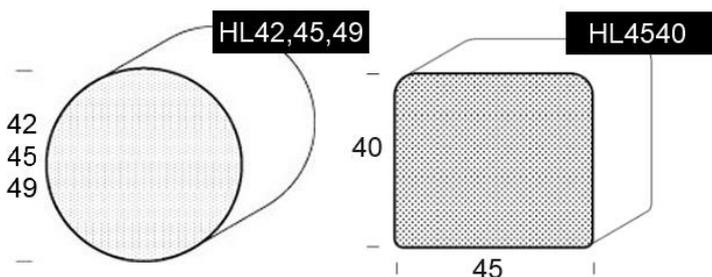
park bench



garden pavilion

## We offer different profiles

Choose your full round handrail made of accoya® (Ø 42mm, 45mm, 49mm) or a square handrail (45x40mm) in lengths 2400-4000mm.



**We offer gladly additional profiles from 100m onwards. Contact us for a sample or your special order.**



# Accoya® technical data sheet



**Outstanding durability**



**Dimensionally stable**



**Insect barrier**



**From sustainable sources**



**Consistent quality throughout**



**Retained strength & hardness**



**Perfect for coating**



**Excellent machinability**



**UV-Beständig**



**Naturally insulating**



**Naturally beautiful wood**



**Non-toxic & recyclable**

## **Insects/decay**

Accoya® wood is indigestible to insects and microorganisms and is therefore more resistant to decay and is a barrier to wood-destroying fungi. Accoya® wood is virtually rot-proof

## **Machinability**

Processing does not affect the unique properties of accoya® wood, as it is modified throughout and not leachable. It is relatively easy to process and can be compared to profiling a soft wood species. No special tools are required for cross cutting, ripping, planing, routing and drilling. Sanding before finishing is rarely required.

## **Gluing**

Both load bearing and non-load bearing applications have been tested using adhesive systems related to laminating, finger jointing and frame corner joints. While good results can be achieved with most common adhesives, PU, epoxy and PRF adhesives give the best results. Gluing with MUF D2/D3 PVA adhesive is not recommended

## **Finishing**

Most commonly used coating systems can be used on Accoya® wood. Testing has been performed with a full range of oilbased and water-based coating systems. Leading coating manufacturers have found that their products last three or more times longer when used on Accoya® wood.

## **Fastening**

In good joinery practice, the use of corrosion-proof steel fastenings that conform to EN 10088-1 is recommended such as A2, A4 quality stainless steel.

## **Graying**

Wood, including Accoya®, used outdoors will eventually "grey" due to two biological processes that take place within the wood and at its surface

*More information at [www.accoya.com](http://www.accoya.com)*