

## Product information GluGreen Technology

### GluGreen

GluGreen BV stands for gluing green timber, especially intended for structural use. Years of thorough research and extensive testing have led to this patented TNO technology. The result? A super strong and durable finger-joint that puts an end to discussions regarding length specifications and worries about distortions. On top of this, saw mills can also sell their shorts and recovery products by gluing them to a popular dimension. This leads to more high quality products from the same forest! GluGreen: good for the timber processor and good for the forest. GluGreen: good for you.



Picture 1: Shorts ready for the GluGreen finger-joint process. Photo: GluGreen BV

The GluGreen Technology is patented research project of TNO, Delft Patents and four innovative companies selected from the wood industry: Mevo Houtindustrie, Precious Woods, Regge Hout and Wijma Kampen. These companies form the GluGreen BV, the knowledge centre of the GluGreen Technology.



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## Finger-joints

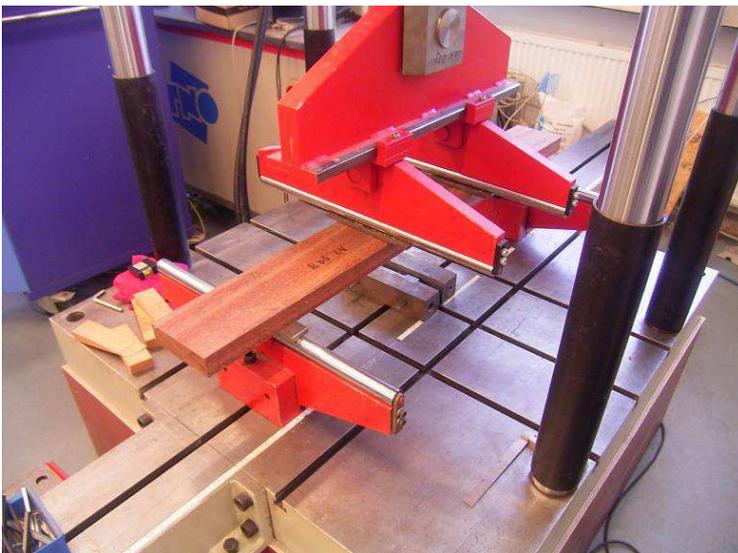
The finger-joint process is not new to the market, since it is applied to wood for many years. GluGreen forms a break-through by applying a number of innovative ideas to the existing process. Through the combination of the very powerful exterior glue and the innovative ideas, the strong and durable finger-joint arises, which is typical for GluGreen products.



Picture 2: example of a finger-joint hardwood board (green) with tongue-and-groove profiles. Photo: GluGreen BV.

## Strength

The strength of the connection is the most impressive topic of GluGreen finger-joints: strength values will be at least 1,5 time higher compared to the conventional one. This makes GluGreen products also suitable for structural applications (load-bearing).



Picture 3: GluGreen quality is shown by bending tests. Photo: TNO.

## Durability

The performance of the connection with time is both tested in laboratory and outside. These tests make clear that after weathering still a super strong connection remains. This is also proven by evidence from the pilot projects, which were initiated the last years.

## Scope of application

The most important applications are the construction sector, garden sector and the hydraulic sector. In these sectors the advantages of the GluGreen Technology could be valued. Strength and durability are important and limitations in sizes (length) could be solved by the finger-joint process. The added value of the GluGreen Technology becomes clear in these applications. Generally spoken, GluGreen products could be best applied in such uses where fixed lengths are required in combination with strong and durable finger-joints.



**Picture 4: a typical gallery in an apartment. GluGreen products are a valuable addition to such buildings and constructions. Photo: GluGreen BV.**

## Interested?

If you are interested in order to glue your lot of timber, please don't hesitate to contact us: [info@glugreen.com](mailto:info@glugreen.com). Of course, you could also ask one of the partners of GluGreen for finger-jointed timber. Mevo Houtindustrie (Helmond, Netherlands) is currently the company with a production licence, while the other GluGreen partners have a sales licence.

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