



# **IDOMUS WOOD ONLY ENVELOPE**

**ENGINEERED TIMBER CONSTRUCTION**

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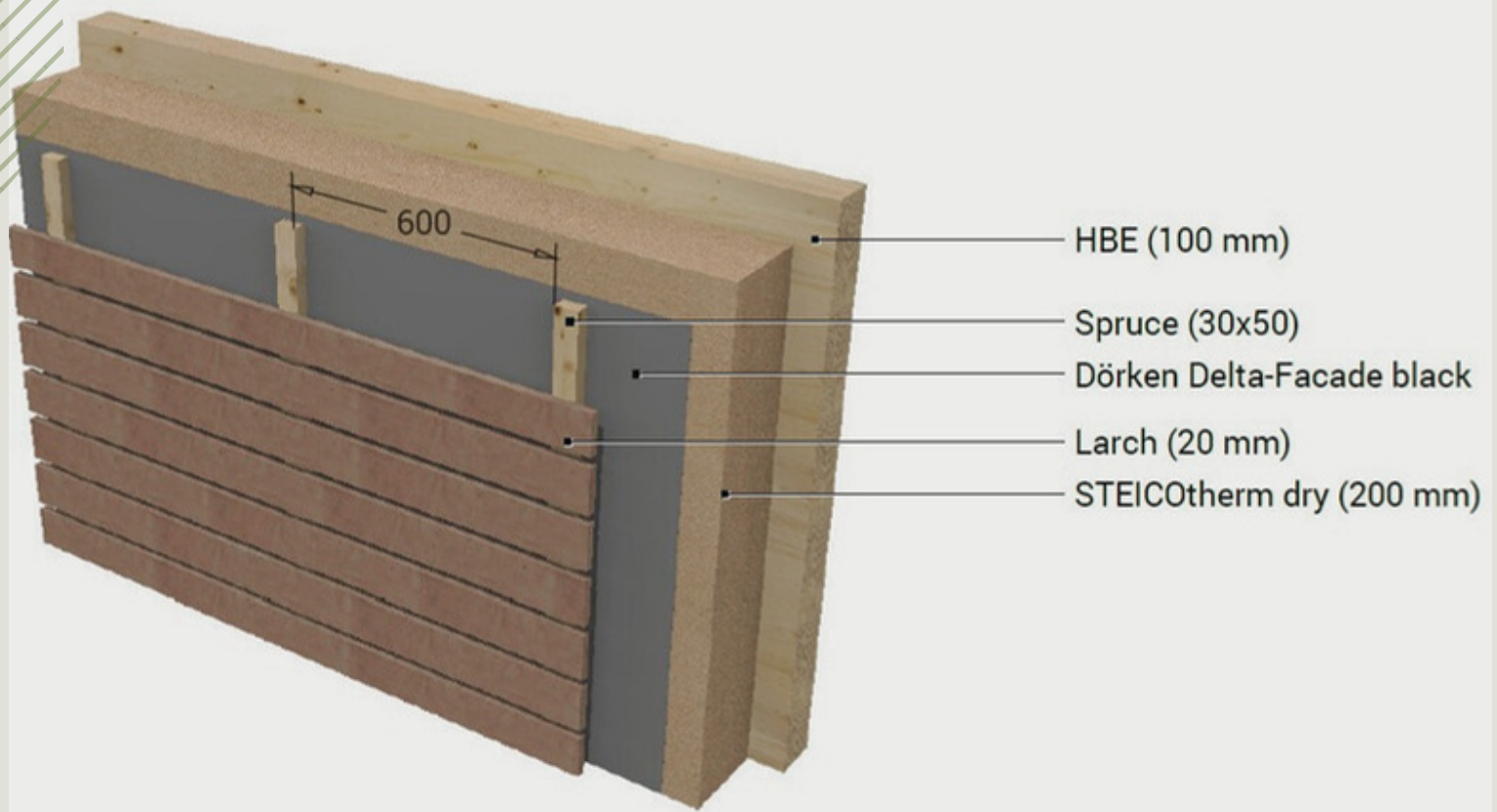
# What is IDOMUS WOOD ONLY ENVELOPE?

This is building system consisting from only natural materials:

- **Mass Timber and GL beams superstructure**
- **Woodfibre external insulation**
- **Natural timber cladding for ventilated facade**

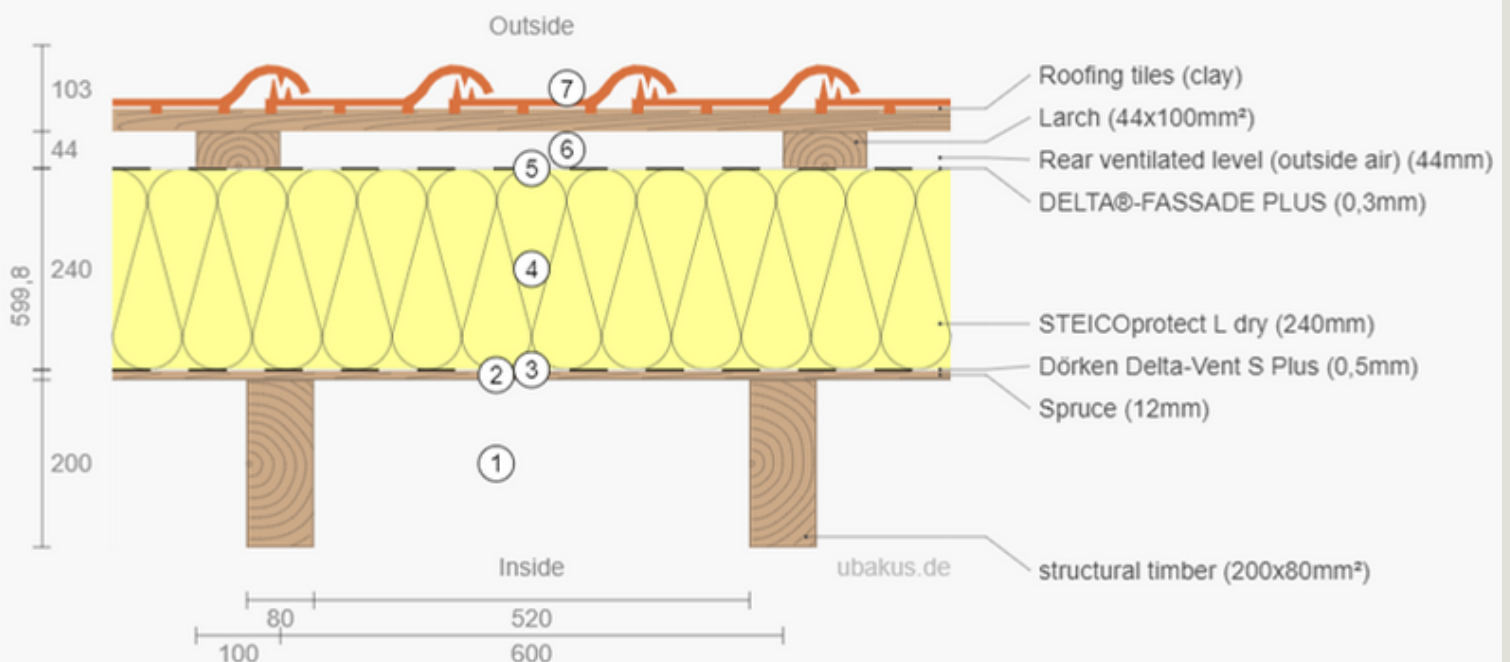
## WHAT ARE THE BENEFITS?

- Naturally breathing building, easy temperature control
- Building physics works well when in collaboration Mass Timber superstructure and woodfibre insulation
- Wood Fiber insulation is rigid and is coming as sheat, which is easy to install or re-install, which means reuse.
- At the end of its life, such structure doesn't pollute the environment due to the possibility of complete recycling.
- Elements are fixed together with self-drilling stainless steel screws, no glue or chemicals used



• iDomus Wood Only envelope can achieve any thermal requirement for the project.

• Typical build up for Passive standard U value 0.15 is 100mm glulam superstructure + 200mm Woodfibre insulation 0,037 thermal conductivity.



# WHY IS THE SUSTAINABLE CONSTRUCTION SYSTEM SMART?

- **Sustainable materials** construction method
- Sustainable building method – **less transportation**
- Less site **trash**
- **No cold** bridges
- Flexibility and **easy** adaptation
- **BIM** compatible
- Prefabrication – **accuracy** and minimal place for error
- Extended **internal temperature** change cycle up to 12 hours
- **Fast track** – Lego principle. 10-15 times faster than traditional construction methods (block & brick)
- Mass timber structure **resists fire** in case of fire longer than steel
- **Healthy living environment** for people with allergies, respiratory, skin problems
- Timber for Irish climate and construction is **ideal construction** material
- **Forests** developments





# CONTACTS



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