

# ADVANTAGES OF GLUED LAMINATE WOOD FRAMES

## 1 - FIRE STABILITY OF THE STRUCTURE INDOOR SCHOOL

Fire stability is permanent, unlike certain other surface protection techniques which should be treated with caution over time.

Fire stability is often a requirement in buildings open to the public or buildings considered to represent a certain level of risk for insurance companies.

## 2 - IMMEDIATE BEAUTY AND FINISH

Fire stability is permanent, unlike certain other surface protection techniques which Varnish finish (several colour options available) eliminates the need for painting.

In certain situations, this avoids installation of a horizontal false ceiling.

## 3 - UNMATCHED RUST-RESISTANCE

An essential benefit for facilities by the sea, for buildings in very damp environments (swimming pools), for production or storage units (fertiliser, salt, etc.).

## 4 - SAVINGS ON FOUNDATIONS

When compared with other materials, for equal performance, glued laminate wood is much lighter.

(If glued laminate = 1, metal structure = 1.5, reinforced concrete structure = 5.)

## 5 - SOUND PROOFING

In industrial premises or buildings open to the public, high quality sound-proofing is often required. The visible elements of glued laminate frames prevent the effects of resonance, forming a natural sound barrier.

## 4 - SAVINGS ON FOUNDATIONS

Wood, unlike metal, is a very poor conductor of heat.

This means that outdoor temperature variations are not passed on by the frame.

For a temperature of around 20°C, the coefficient is

Iron: 72W/m°C

Wood: 0.12 W/m°C (i.e. 700 times less conductive)

## 7 - CONDENSATION

Wooden frames do not cause condensation and provide a good partner for asbestos cement or steel roofing with an anti-condensation coating.