





A new concept of timber construction A new vision of wood construction High performance connection



Any types of constructions

• Large structures and resumption of major efforts



Outdoor structures



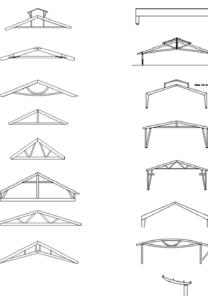
• Housing, Hotels, Swimming pools ...

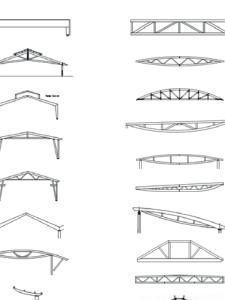


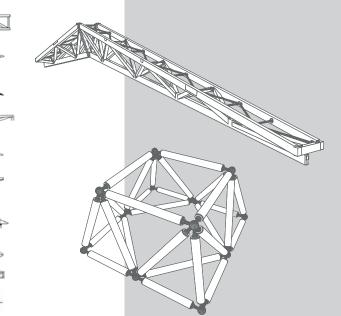
• 3D structures

Any types of structures

• 2D structures



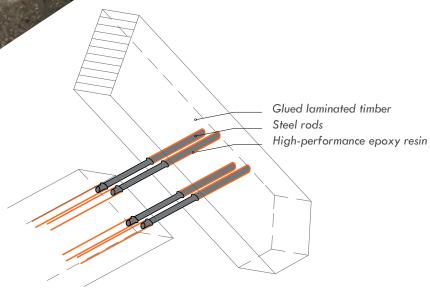






The Resix system





The system has obtained a French technical approval « Avis Technique AT Goujons collés RBF »















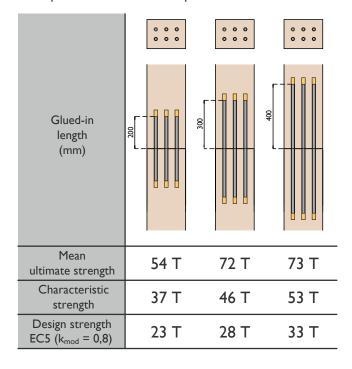
Stiffness assured

• 100% of efficiency

- Optimized cross section thanks to high performance joints

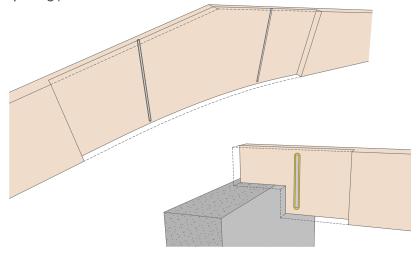
Glued in length and structural capacity

Example: 2x3 rods Ø16 mm - pull out resistance



• Tension perpendicular to grain mastered

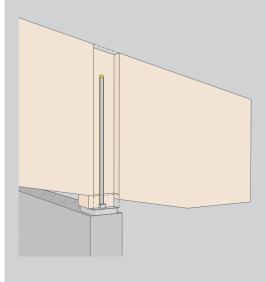
- Reduced cross-section
- Connection with crossed rods (transversal reinforcement against splitting)

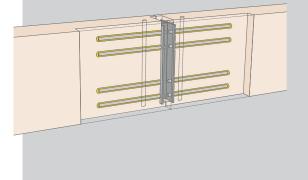


• Continuity of the section

- Great freedom to position splice connections (See page 7)
- Dismountable / reassembly Dis-assembly

Compression at support

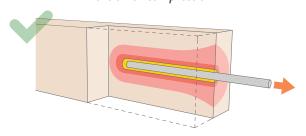






• Equal distribution of the stress

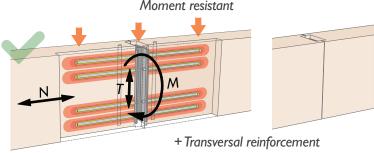
Resix connection Tension or compression



Totaly gap free, instantaneous absorbance of stress, no induced deflection

• Exceptional mechanical strength

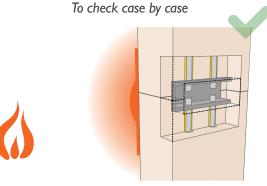
Resix connection Moment resistant



Equal and instantaneous distribution of stress along the whole rod (momenty, traction and shear)

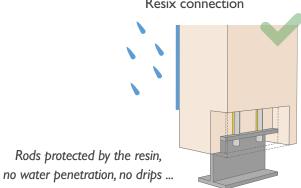
• Controlled fire resistance

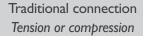
Resix connection protected by the timber

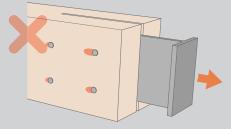


Weather protection

Resix connection

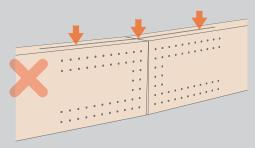






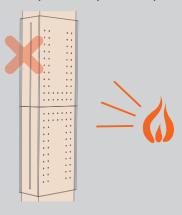
Assembly gap necessary Deflection

Traditional connection Moment resistant

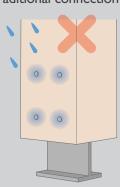


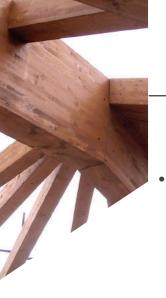
Deflection due to assembly gap

Traditional connection To be protected sytematically



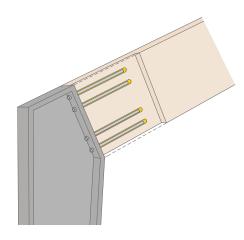
Traditional connection



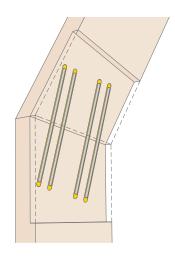


Invisible and elegant

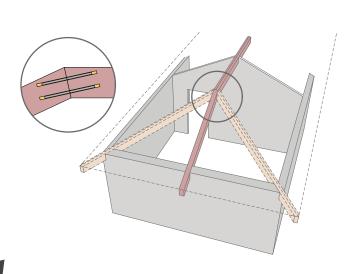
• Connection Timber / Steel



• Connection Timber / Timber



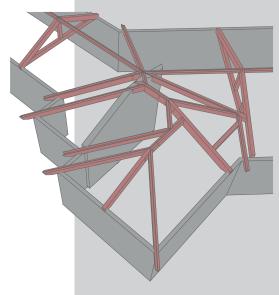
Streamlined structure









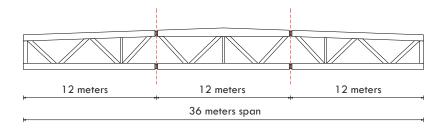


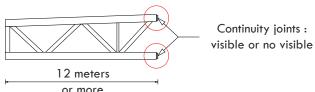


Simplified logistics

• Effectiveness of Resix continuity joints

Example:



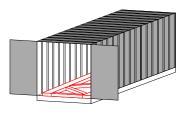


12 meters or more

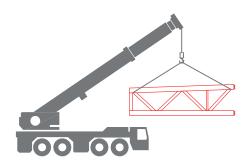
Adapted to transport solution







Adapted to site assembly













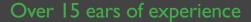


A proven technology

Used in many kind of projects (industrial, public, athletic, special projects, private and community housing...), Résix $^{\otimes}$ as able to demonstrate its advantages and performance .

A full range of testing has been carried out for it's application: unitary tests, large scale tests, moment resistant connection tests, fire tests, dynamic tests, service class ... in different laboratories (FCBA, CSTB, ENSTIB, CRITTBOIS). All the proof of performance has enabled us to obtain the certificate Avis Technique (French technical approval) describing the characteristics of this glued-in rods system:

- Strength in tension and compression more than 100 Tons
- Controlled behavior for fire resistant connections
- Excellent behavior after dynamic stress (earthquake)
- Excellent aging of the resin



Our technical department is available to design and optimize your projects with the benefits of the Résix® system.





