Rancan Srl was established in 1960 and in more than 50 years of history it has reached the highest quality standards in the production of Ranprex®, high-tech red beech laminated densified wood, successfully applied in many industrial fields.

In the cryogenic business, Ranprex® has been chosen in the last twenty years as a preferred solution for several cryogenic applications, as a material with excellent thermal insulating properties and outstanding physical and mechanical performances.

Rancan Srl is based on a surface of 20,000 m², 8,000 of which are covered area, divided into headquarters and a second production unit in the same industrial area of Montecchio Maggiore. This warrants the highest productive and logistic efficiency, enhancing the Ranprex®'s flexibility. Rancan Srl boasts a highly sophisticated machinery park and expertise, which allows top quality in all production steps.

Rancan Srl is ISO 9001-2008 certified since 1999, OHSAS 18001 since 2012, and ISO 14001:2004 since 2015, always keeping as its first targets quality, service to the customer, and competitiveness on the Global scale market.
Ranprex® is made of red beech veneers (Fagus Sylvatica) impregnated with thermosetting phenolic resin, consolidated under high pressure and temperature to obtain a high density composite according to standards IEC 60893 - DIN 7707.

Ranprex® is a material with excellent thermal, mechanical and physical properties. It is mainly characterized by:

- Low specific weight
- High mechanical strength
- High mechanical performance at low temperature
- Low thermal conductivity
- Excellent thermal insulation
- Low water absorption
- Good dimensional stability
- Low friction coefficient

Ranprex® is available in plates with the following standard sizes:

- 2000 x 1000 mm

and thicknesses ranging from 10 to 120 mm with tolerance -0/+ 2 mm.

Non-standard sizes and thicknesses are also available upon request.

Ranprex® is also supplied as CNC fully machined components according to customer’s drawing and finally sealed with marine varnish.

Do not hesitate to submit any request to Ranprex®’s staff:

We will be pleased to assist you!

Ranprex®: characteristics

Ranprex® ML20 - KP20221

Ranprex® ML15 - KP20226

Ranprex® ML8 - KP20227
EXCELLENT MECHANICAL AND INSULATION PERFORMANCE AT CRYOGENIC TEMPERATURE

**COMPRESSION STRENGTH AT CRYOGENIC TEMPERATURES**

**E-MODULUS AT CRYOGENIC TEMPERATURES**

**THERMAL CONDUCTIVITY**

- **Why Ranprex®?**
  - EXCELLENT MECHANICAL AND INSULATION PERFORMANCE AT CRYOGENIC TEMPERATURE

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**Thermal Conductivity // [W/mK]**

- **Ranprex® ML20**
- **Ranprex® ML15**
- **Ranprex® ML8**

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**Compressive stress // [MPa]**

- **-197°C**
- **-55°C**
- **20°C**

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**Stain [%]**

- **Stain [%]**
Within the gas liquid shipping construction, Ranprex® is largely used as:

- tank supports
- anti-floating chocks
- anti-rolling chocks
- fixed blocks
- sliding blocks
- ethylene carriers

In the construction of on-shore trains, Ranprex® is largely used as:

- base supports
- trunnion supports / insulating spacers
- insulating washers
- pipe supports
- insulating pipe collars

RANPREX® FOR SWIVEL JOINTS AND OTHER ANCILLARY PRODUCTS
Which parts can be machined out of Ranprex®?
RANCAN SRL Unipersonale

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E-mail: rancan@rancan.com
Telefono: +39 0444.499234  -  Fax: +39 0444.499311

Plant 2:
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www.rancan.com

Autostrada A4 (Milano – Venezia) - uscita Montecchio
Aeroporti più vicini: Venezia - Marco Polo, Verona - Valerio Catullo

Highway A4 (Milano – Venezia) - exit Montecchio
Nearest airports: Venezia - Marco Polo, Verona - Valerio Catullo

Made in Italy

RANCAN
Hi-Tech Laminated Densified Wood