

RANCAN

Hi-Tech Laminated Densified Wood



Ranprex[®]

Your Cryogenic Insulation



Made in Italy

PLANT 1



UNI EN ISO 9001:2008
UNI EN ISO 14001:2004
BS OHSAS18001:2007

Rancan Srl was established 1960 and in more than 50 years 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**.



PLANT 2





Ranprex[®]: characteristics

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

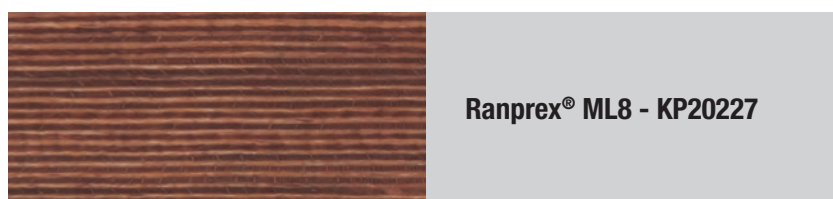
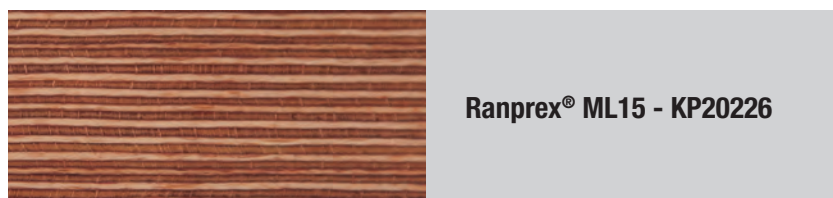
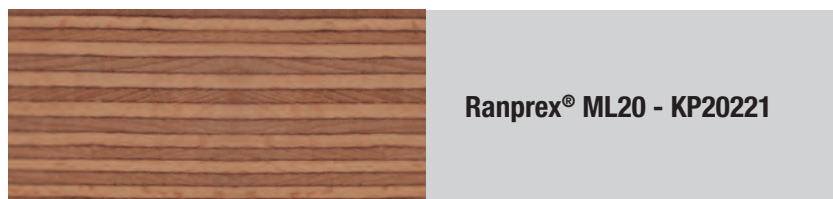
and thicknesses ranging from 10 to 120 mm with tolerance - 0 /+ 2 mm.

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.

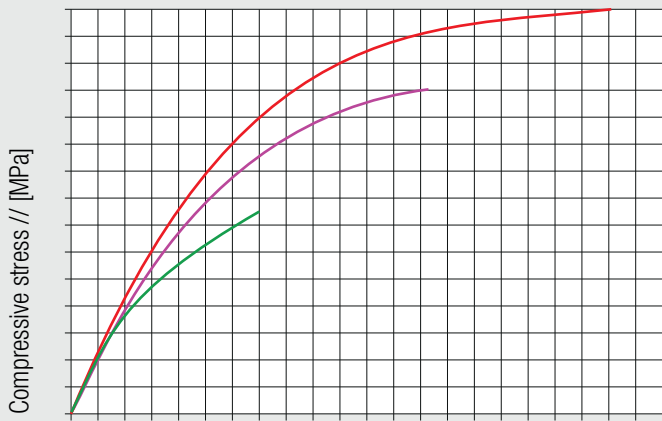
Do not hesitate to submit any request to Ranprex[®]'s staff:

We will be pleased to assist you!



EXCELLENT MECHANICAL AND INSULATION PERFORMANCE AT CRYOGENIC TEMPERATURE

COMPRESSIVE STRENGTH AT CRYOGENIC TEMPERATURES



Stain [%]

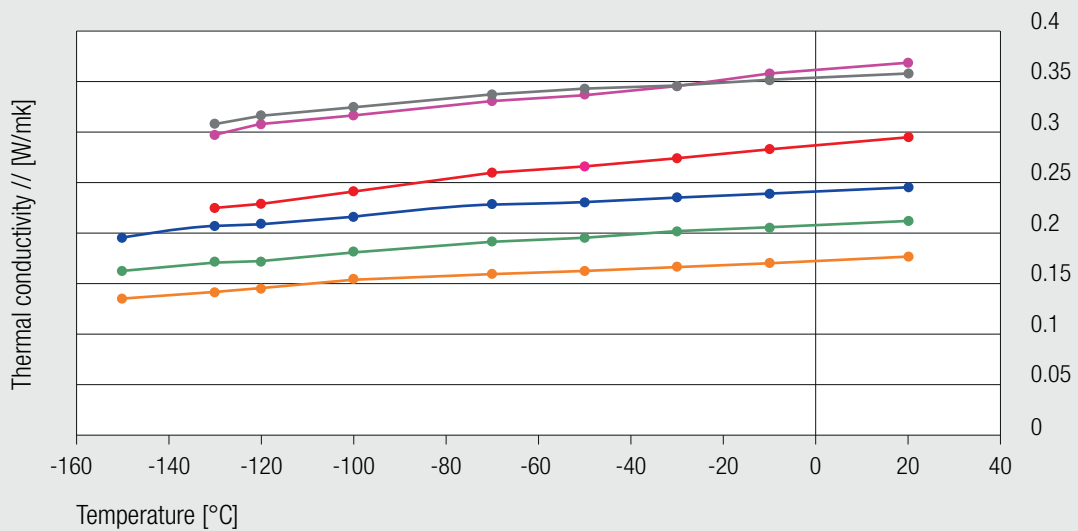
■ -197°C ■ -55°C ■ 20°C

E-MODULUS AT CRYOGENIC TEMPERATURES



Stain [%]

THERMAL CONDUCTIVITY



■ Ranprex® ML20 ⊥ ■ Ranprex® ML15 ⊥ ■ Ranprex® ML8 ⊥
■ Ranprex® ML20 ≡ ■ Ranprex® ML15 ≡ ■ Ranprex® ML8 ≡



LNG/LPG Process Flow



RANPREX® FOR LPG & LNG TANK SUPPORTS

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

RANPREX® FOR PIPE LINES SUPPORTS

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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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



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