

NTL Chemical Consulting

International resin specialists

The resin specialists: maximising your profits

With 25 years of experience in applying formaldehyde based resins (UF, UmF, MUF, MUPF, MF, PF, etc) for the wood panel industry for the production of PB, MDF, plywood, OSB, LVL, paper impregnation, etc, in 26 countries, it's no wonder that NTL Chemical Consulting has earned its reputation as one of the leading resin technology providers worldwide.

NTL's resin technologies are environmentally friendly and capable of meeting the various performance criteria required by the most stringent European, British, American and Japanese standards, ensuring the performance of any Formaldehyde Class: E-2, E-1, CARB I and II, E-0 (F-Three Stars) and Super E-0 (F-Four Stars).

NTL's experts have worked with some of the biggest wood panel plants worldwide and their strength is in their extensive knowledge and experiences in developing tailor made resins to best suit board production parameters to meet the customers' specific requirements. Such capability arises from NTL's wide exposure to variety board materials, and various wood species and fibrous materials including: soft wood, hard wood, tropical wood, mixed wood species, recycling wood, bagasse, etc.

Arriving at the correct approach to determine which resin formulation is best suited to a particular application is the secret of NTL's performance. Suitable resin development must take account of important board manufacturing parameters, i.e. hot or cold weather, dry or hot humidity, etc., so that the reactivity, viscosity, solids content, tackiness, dry-out rate, molecular weight distribution, formaldehyde emission, is best suited to a particular board manufacturing process.

Even during this crisis period and turbulent times, NTL has been able to capitalise and expand its activities with new long-term projects in areas such as Latin

America and Russia, and actively pursue new project cooperation in Asia and East Europe. What's even more notable is that all of NTL's clients are contracted on a long-term basis and most of them already have signed and renewed their licensing contracts for a further term, showing the customer's full satisfaction, trust and confidence in NTL's resin technology and benefits.

Making change happen

NTL considers that every board manufacturing line is different and board production and process conditions differ from country to country and place to place. Thus, each client's requirements, goals and market demands are different. This is why NTL is flexible in understanding and catering carefully to clients needs by supplying customised, technical know-how and support and through continually optimising, refining and developing resin solutions to meet the precise production needs of the client. In essence, NTL becomes an extension of the client's operations and are partners in every sense – helping clients become leaders in their market with high quality, reliable and economical resin know-how, which generates into significant profits and growth.

NTL has a strong client core base and a trustworthy reputation in Southeast Asia mainly because it's been able to provide Southeast Asian clients with cost-effective solutions that solve their resin and production problems. It's worth noting that Southeast Asia alone has the biggest and most competitive international resin players openly competing in one concentrated region. In fact, NTL's resin technology has been compared and put to the test head-to-head against all the major resin competitors.

NTL's ultimate aim is to provide clients with advanced quality resin solutions which help them become

Glue resin in beakers



Resin plant

Technical support

more competitive and profitable in their marketplace.

Bringing innovations to market

NTL is very diversified and balanced in all areas. Located at Technology Park of Thessaloniki, Greece, it is well equipped and has a strong emphasis on R&D, which offers proven, cutting-edge resin technology of high quality, and provides value-added benefits and significant cost savings to clients.

Realising at earlier stages of its activities that the bonding strength of a board consists of two parts, the resin and the wood, NTL is actively engaged in technological alliances and research projects with dedicated European and Australian Universities and wood engineering technology institutes to better understand the behaviour and performance of different wood species. They are jointly working in analysing wood composition, determination of cellulose and lignin, wood penetration, testing for extractions, (i.e., alcohols, fatty acids, tannins, proteins, etc.), fibre modification techniques, enhancement of properties and recyclability of recovered fibres in various wood materials through chemical modification, resins for application with bagasse and other fast growing plants, etc.

Continuous technical support

The Technical Support's role, with over 25 years of worldwide Industry experience, is to provide the best technical support and after sales service available to meet the clients' full needs and satisfaction.

This ongoing technical service consists of continually upgrading NTL's resin efficiency, training the client's personnel at their R&D and resin plants, right through to the practical application of NTL's resin on customer's wood panel manufacturing lines, optimising clients' production process and round-the-clock troubleshooting, and serving clients remotely.

A trusted resin range

NTL has a reliable, proven and wide diversified range of formaldehyde-based resins and additives (special hardeners, scavengers and activators) for PB, MDF and plywood panels.

Apart from its wide range of resin technologies, NTL's strong international partner network allows it to provide complete engineering services and the procurement of formaldehyde and resin plants of different sizes. NTL's service includes, complete process technology, engineering design, procurement,

technical assistance, supervision and complete training services to client's plant personnel for the construction of formaldehyde production and resin plants manufactured locally.

NTL is committed and will continue working in close cooperation with its customers worldwide to provide even higher levels of resin technology efficiency with the best quality technical service available to meet the challenging needs ahead. **PFA**

For more information on NTL products, services, marketing or technical matters, please contact Mr. James Vlachos at jvlachos@ntl-chemicals.com and/or visit the NTL website: www.ntl-chemicals.com.



Thessaloniki Technology Park facility where NTL is located