

# resoltech

ADVANCED TECHNOLOGY RESINS



## Product News | Updates | Applications

### Resoltech 1200 now certified by DNV GL

Worldwide certification bodies leader, DNV GL has approved Resoltech 1200 for maritime and wind industry. This non crystallizing formulation, suitable for small or large structures, contains no CMR (Carcinogenic, Mutagenic, Reprotoxic) component and no allergenic thinner in order to comply with Reach European directive.

Its three miscible hardeners make Resoltech 1200 easier to use for wet laminating process, with a variable working time, between a mere 15 minutes to over 8 hours. Two specific hardeners, 1205HT and 1206HT, can be used to reach 130°C - 266°F Tg factor, suitable for hi-temp purposes, such as tooling for example.

Resoltech 1200 shows excellent mechanical properties, compatible with room temperature applications. A 40°C - 104°F post-cure will ease demoulding process but optimal thermo-mechanical properties will be reached between 60 to 80 °C - 140 to 176°F.

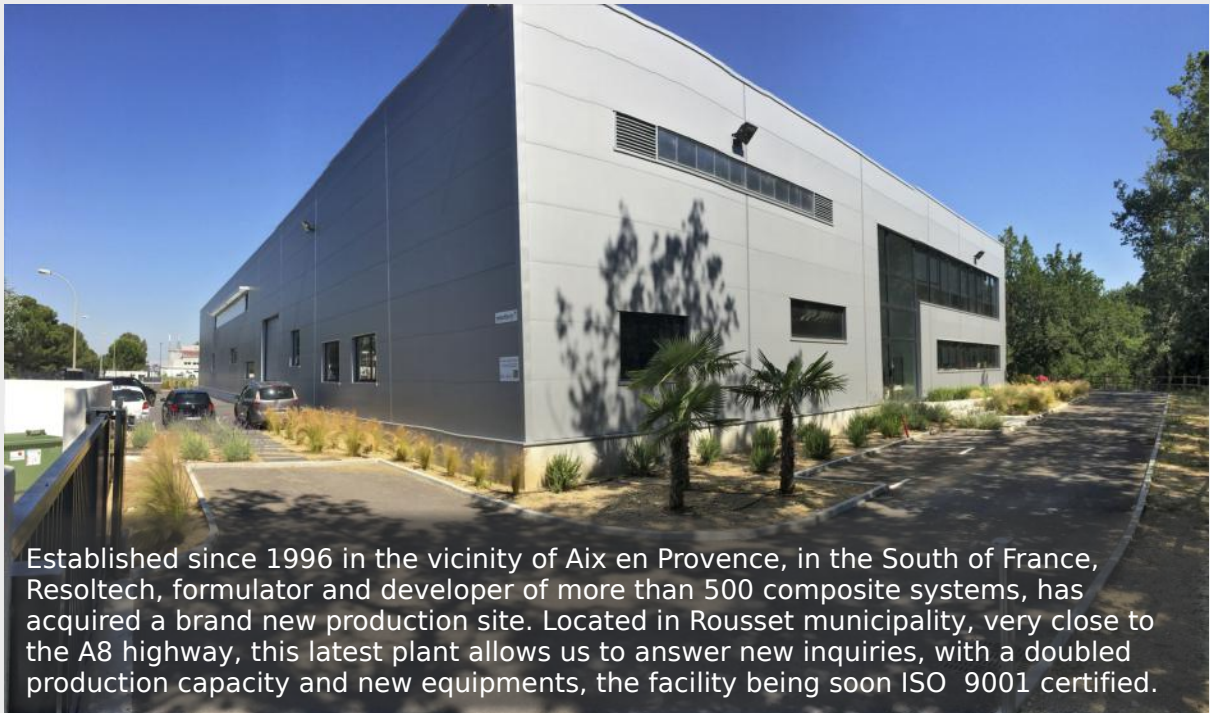
### 3Bay and biosourced Resoltech 1070

Former Bic Sport product manager, Patrice Remoiville gained a deep knowledge of industrial production of SUP (Stand Up Paddle), he is now manufacturing on demand in his own workshop, 3 Bay Paddle Sup in Plescop, South Brittany. Manufactured with great care, his board range cover all usages but for demanding customers concerned by materials choice.



*"My experience of Earth Sup range from Bic Sport, using a lot of biosourced materials, meke me more involved in this growing part of the composite world. I have discussed with Luc Lorient, Resoltech CEO, about biosourced products who told me he had on hand an Eco version of the R1070 resin I was already using. Remarkably, this biosourced epoxy has shown superior mechanical resistance over the standard product, without impairing its clearness. During work , emissions are also quite low. I am relentlessly looking for biocomposite innovative solutions, such as sandwich structures based on flax fiber and a cork core. But I have also strong weight constraints, especially on the Racing designs, where alternative solutions reach their limits compared to carbon fiber."*

## A 21th century standards production facility



Established since 1996 in the vicinity of Aix en Provence, in the South of France, Resoltech, formulator and developer of more than 500 composite systems, has acquired a brand new production site. Located in Rousset municipality, very close to the A8 highway, this latest plant allows us to answer new inquiries, with a doubled production capacity and new equipments, the facility being soon ISO 9001 certified.

A large range of specific blenders and special heat chambers help to tailor all liquid, viscous and pasty products to suit every needs and package them. Research and Development being part of Resoltech's DNA, laboratory is at the heart of process, with two different units able to manufacture and define any composite product, work on mix and control every production stage.



To fulfill that demanding task, engineers are using hitech instrumentation for glass transition study by DMA, gel time tracking or viscosity measurement. A mechanical testing machine with a video extensometer contributes to make classical traction, flexion, compression and shear tests even more precise.

