

## Winter arrives in the Southern hemisphere



**Winter** is here and cold weather can play havoc with the curing and gelltimes of Unsaturated Polyester resins. In so far as possible, resin temperatures should be kept stable (18-25°C is recommended). If the resin temperature falls below 18°C it should be heated to a minimum of 18°C before use. This can be done in heating cabinets in which two to four drums can be placed at a time or by using a drum blanket. The cabinets can be heated by steam or electricity. Remember that heating a full drum of resin up to operating temperature can take 24 to 48 hours. Similarly, if the resin temperature is too high, the product will need to be cooled to at least 25°C and checked for possible quality changes before use.

## ADDubond Bonding Pastes

**add resins** manufacture a range of bonding pastes ranging from a standard bonding paste for general bonding applications to Derakane™ Epoxy Vinyl Ester bonding pastes designed for the most demanding applications in high temperature and corrosive environments. See the list of Bonding pastes below and contact your responsible sales person for more information.

**Addubond 100C** - Standard Bonding Paste for General Bonding Applications.

**Addubond 200k** – Pigmentable High Viscosity Bonding Paste for General Bonding Applications.

**Bonding Paste 411** - Derakane™ Epoxy Vinyl Ester Bonding Paste - Corrosion Resistant Bonding for Corrosive environments.

**Bonding Paste 8084** - Derakane™ Epoxy Vinyl Ester Bonding Paste – Flexible Paste for High Tack Applications.

**Bonding Paste 470** - Derakane™ Epoxy Vinyl Ester Bonding Paste - Novolac Base for High Temperature Corrosive Applications.

**Cabo Bond Thixo Paste** - Pre-Gel Bonding for Natural Stone, a smooth textured high viscosity bonding paste.

## Revolutionary new Kayak Design uses Derakane™

Leading South African Kayak manufacturer, Kayak Centre, design and build the kayaks raced by 6-times World Marathon Champion, Hank McGregor. Fabricated exclusively with Derakane™ resins the kayaks withstand the rigours of the major competitions around the world. This year Kayak Centre have come up with a revolutionary design and here Clive Whitton tells us about the new design that Hank will be racing in Germany in September. Good Luck Hank!

The beginning of June saw the launch of a revolutionary new kayak design, the Velox Spectra. Built by Kayak Centre and designed in collaboration with GaraTech and 6-times World Marathon Champion, Hank McGregor, the Velox Spectra has already set the bar by winning the highly contested South African Marathon Championships. It's unique hull shape is designed to break the water smoothly while progressively splitting the water onto two flat surfaces through the front half of the boat. These surfaces become most defined from underneath the paddler to within half a metre of the tail, where they then become one single flat surface, allowing the water to leave the hull as cleanly as possible. This results in a significant reduction in drag and helps to improve cruising and top end speed.

Manufactured according to the high standards Kayak Centre is known for, utilising vacuum infusion technology in combination with Derakane™ 411-200, the Velox Spectra is set to take on the world's best at the World Marathon Championships being held in September in Brandenburg, Germany.



*Hank McGregor, 6-times World Champion, paddles his new Velox Spectra kayak*

## Resin Storage



Unsaturated polyester (UP) resins are reactive materials that can undergo minor changes when stored, like viscosity and gel time drift. Under adverse storage conditions, these changes can result in resins that are no longer within specification. As soon as material is received it should be placed in a clean and dark storage area (away from direct sunlight), preferably in a properly designed area of the factory/warehouse and following the national & municipal regulation as regards: fireproofing and extinguishing systems, electrical installations, and containment contingencies in case of spillages or leaks. Products delivered in drums and pails should be stored in the original containers with the lids kept tightly closed. They must be stored upright to prevent leakage and, when stored on a standard pallet, avoid stacking more than three high. The warehouse should be well ventilated to avoid possible accumulation of styrene fumes from the stored materials.



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