

add resins and Lantor BV Join Forces



add resins is proud to be associated with **Lantor BV**, a world leader in non-woven reinforcement technology. An added value and quality product to compliment our composite resins portfolio.

Lantor Coremat™ enables the construction of cost-effective lighter and stiffer GRP laminates.

This is the original **Coremat™** brand and well-known in the South African market, the most widely used being Xi 2mm and 3mm.

Lantor Coremat™ is available from 1mm up to 5mm, in Xi featuring blue resin indicator, and XM with extra microspheres. A 10mm **Coremat™** is also available upon request.

Lantor Coremat™ - the world's ONLY **Coremat™** - is now available from **add resins**.

Ashland's Derakane™ Momentum wins 2015 Ringier Technology Innovation Award

Epoxy vinyl ester resin helps China power plants deal with extreme corrosive challenges

Shanghai, China – As China's coal-burning power plants work to reduce emissions through improvements to the flue gas desulphurization (FGD) process, a growing number are looking to Derakane™ Momentum epoxy-vinylester resin to combat the effects of corrosion.

The next-generation resin, which builds on a proud 50-year history, was developed to meet the power plants' need for an extremely high corrosion-resistant FGD process. Derakane™ Momentum boasts outstanding performance in corrosion resistance, toughness and fire retardance. In addition, it enables higher productivity, better workability and longer shelf life.

The product recently received the 2015 Ringier Technology Innovation Award for composites. The Ringier awards recognize companies that have introduced new ideas and technologies that lead to improved energy efficiency and more responsible clean manufacturing.

Derakane resin has been widely used in many industries and we are beginning to see its great value in helping power plants control air emissions", said YK Zhang, Asia Pacific product manager for vinylester resins at Ashland Performance Materials, a commercial unit of Ashland Inc.

Mike Chen, general manager, Ashland Performance Materials, Asia Pacific, added, "In the past 50 years, the Derakane resin team has enjoyed great success in helping customers around the world fight the damaging effects of corrosion. We look forward to building on that tremendous legacy of customer service and innovation in the years ahead."

Silicone Moulding Rubbers



Silicone Moulding Rubbers are used in a variety of industries to produce exact replicas of an original product.

From sculptors to industrial designers, crafters to jewellers, they can all use silicone RTV (Room Temperature Vulcanising) rubbers to make accurate reproductions.

RTV rubbers are simple to use, very flexible and are capable of multiple high quality replicas, proving to be a cost effective tool.

Once a mould is made it is possible to cast a large variety of casting materials, including polyester, polyurethane, wax, plaster chocolate, acrylic resins, and concrete.



Silicone RTV rubbers are used in a variety of industries for a multitude of applications, including Sculptures, furnishings, picture frames, souvenirs, jewellery, giftware, industrial prototyping, palaeontology, stage props amongst other things.

Many home based industries have been born using silicone RTV's as a starting point.

For sales and technical information on the range of Silicone Products distributed by add resins, please contact:

Jim Kinman

Unsaturated Polyester Resin and Vinylester Resin Safe Handling Information

Static Electricity

Static electricity can be generated when handling materials with low electrical conductivity, such as resins and glass fibres.

Friction or contact and separation generate static electricity, and, if it's not discharged by proper earthing, static electricity can spontaneously discharge creating a spark of high voltage – especially at a low level of air humidity.

Wherever flammable liquids or gases are present the potential for fire is high, avoid conditions that could cause static electric discharge.

In processing UP resins, static electricity can be generated by various sources:

- A fluid being pumped through a spray gun hose can build up static electricity because of friction. The same applies to fluid exiting the spray tip. It is therefore essential that such fluid handling equipment is properly earthed. Electrical conductivity must therefore be established from the body of the spray gun, through the fluid hoses to the pump and to a known ground.

Check with your equipment supplier for specific procedures to establish the proper earthing.

- When using so-called flow choppers the generation of static electricity may be higher than with the traditional spray guns. In these cases it is even more important to create proper electrical conductivity and earthing of the equipment.

Surface charge on mould surfaces is another well-known phenomenon. It can be seen by the formation of dust stars on the surface and static electricity discharge (static sparking) when demoulding a part.

When using non-conductive moulds, static electricity will only discharge from a local area, so not creating the larger surface charge bleed-off. With conductive surface moulds however, the entire mould surface will discharge in one contact thus providing greater potential for high voltage discharge. When an operator comes close enough, the entire mould surface will discharge suddenly.

Conductive surfaces must be earthed to prevent hazardous static electrical discharge.

- Static electrical build-up by non-conductive glass roving passing through roving guides and choppers can also create a problem.

To reduce potentially hazardous discharges, always use ceramic roving guides. Earth the overhead boom and be sure that the chopper is properly grounded to the spray gun.

To reduce the likelihood of a hazardous discharge of static electricity, avoid low humidity in the workshop by keeping the relative humidity above 50%.

Use ionized compressed air for cleaning mould surfaces. This will neutralize the danger of a possible surface charge in the mould.

Subsequent rubbing of the mould surface when waxing and polishing will create a charge, so it should be repeatedly treated with ionized air during the waxing procedure.



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