

## Products Equipment Meetings Publications

### Glazing sealants

Two new double-glazing unit perimeter sealants, a mastic bedding compound and a sealant strip for bead glazing have been launched by Evode Limited. As additions to the company's existing range of industrial adhesives and sealants, the new materials are aimed primarily at manufacturers and installers of window replacement and reglazing units.

*Evo-Stick 2843* is a flexible epoxy polysulphide which is mixed in a 1 : 1 ratio by weight and is then applied either manually or by continuous extrusion. It cures to handling condition in five hours: when fully cured it is softer, and is thus able to accommodate movement of the glass.

*Evo-Stick 2850* is a thixotropic two-part polysulphide-based material which cures to form a flexible sealant with a service temperature range of  $-40^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$ . Its components are mixed in a 10 : 1 ratio by weight or volume and the sealant cures to handling in 12 hours.

*Evo-Stick 2827*, the new mastic bedding compound, has been developed with particular regard for resistance to leaching of the constituent oils into the woodwork of frame surrounds. The material, made from a soft, synthetic rubber and a blend of drying and non-drying oils, is designed for use with wood, metal, concrete, stone and brickwork.

*Evo-Stick 2823*, a blend of liquid and solid synthetic polymers, is a non-setting bedding and sealing strip particularly suited for use in bead glazing. It has a service temperature range of  $-40^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$  and provides a durable weatherproof seal in joints where the components are under continuous compression in service.

Full details of all four new materials can be obtained from: *Evode Limited, Common Road, Stafford, England.*

### Encapsulate and insulate

Approved by the Underwriters Laboratories as flame retardant are newly-developed one- and two-component epoxies from Amicon Corporation. The materials are designed specifically for components requiring encapsulation and insulation and where flame

retardance is of particular importance. They can withstand long-term in-service temperatures of up to  $180^{\circ}\text{C}$  and, as is usual with epoxies, have good resistance to chemicals, solvents and thermal shock.

Details are available from *Amicon Corporation, Polymer Products Division, 25 Hartwell Avenue, Lexington, Mass. 02173, USA;* or, in the UK, from *Amicon Limited, 2 Kingsway, Woking, Surrey, GU21 1UR, England.*

### General purpose epoxy

Already in use in industries as wide-ranging as electronics and oil-exploration, DM-2 is an all-purpose adhesive, potting compound and mould-repair epoxy new on the market from Dynamold Inc. It is said to have excellent adhesive qualities for bonding metals, plastics, rubber, glass, ceramics and wood and can withstand continuous operating temperatures of up to  $176^{\circ}\text{C}$  and surge temperatures of up to  $260^{\circ}\text{C}$ . In the oil industry this temperature resistance has enabled DM-2 to be used for encapsulating deep hole electronic components where soldered connections would otherwise be affected by heat.

Full details of the new epoxy are available from *Dynamold Inc., 2905 Shamrock Avenue, PO Box 9617, Fort Worth, Texas 76107, USA.*

### Handles the heat

Used to bond materials subject to high temperature corrosion, Pyro-Bond 566 is a new single part adhesive system based on stainless steel now available from The Meclec Company in the UK. The adhesive consists of stainless steel type 316 in platelet form dispersed in an inorganic binder. The binder is able to provide an adhesive bond on ferrous metals, ceramics, glass and graphite and, having a coefficient of thermal expansion close to that of mild steel, is capable of withstanding thermal shock.

Pyro-Bond 566 can be applied by syringe dispensing, brush or spatula. After curing at  $93^{\circ}\text{C}$  the material can withstand  $760^{\circ}\text{C}$  in air and  $1200^{\circ}\text{C}$  in a reducing atmosphere. Such properties

are likely to make it attractive for use in petrochemical, pollution control, aerospace, electronic and other industries.

Also new from Meclec is Ultra-Temp 516 a single component zirconia-based coating for use at temperatures up to  $2426^{\circ}\text{C}$ . It can be used on a wide range of materials including ceramics, glass, quartz, graphite and metals. Available as a premixed paste, the material can be brushed or sprayed on.

Full details of both materials are available from *The Meclec Company, 5/6 Towerfield Close, Shoeburyness, Essex, SS3 9QP, England.*

### Easy and economical

Designed primarily for professional fitters as a simple, precise and economical means of making or mending gaskets, Loctite Master Gasket is a new anaerobic gasketing compound from the Automotive Maintenance Products Division of Loctite (UK) Limited. The material is supplied in a syringe-type applicator which allows the flow to be accurately controlled. Gaskets can thus be made of any size and shape with minimal wastage of material.

After application Loctite Master Gasket can be used in-service after about 1-2 hours. It will tolerate a temperature range of  $-50^{\circ}\text{C}$  to  $+200^{\circ}\text{C}$ , making it suitable for use on all automotive parts except cylinder heads and exhaust manifolds. The material can also be used a jointing compound and to repair conventional gaskets.

*Loctite (UK) Limited, Watchmead, Welwyn Garden City, Herts, AL7 1JB, England.*

### Branching out

Unibond Limited has announced the takeover of Ceralco Bouwchemie in Holland, manufacturers of adhesives, sealants and other materials for building construction, improvement and maintenance. The Dutch company's products will be added to the Unibond range.

Also from Unibond comes news of the Company's expansion into Middle East markets with the appointment of a distributor in Egypt - Al Fajer