

Products Equipment Meetings Publications

asking members of the public to return their matchboxes for the 'Build' together with a donation, and they themselves will be donating ½p per box returned.

The charity which hopes to benefit from this campaign is called Soundaround — an organization which provides a sound magazine for blind or visually-handicapped people.

Further information on Soundaround may be obtained from: *Col. F. J. Ronald CBE, 374 City Road, London EC1V 2QA, England.*

Evode Limited, Common Road, Stafford, ST16 3EH, England

Versatile electronic gummed tape dispenser

Samual Jones & Co Limited UK, claim that with the introduction of the Butterfly Selectronic gummed tape dispenser (Fig. 4) they are setting new standards of versatility, efficiency, and automation to off-line carton sealing. This benchtop machine is programmable in a variety of modes.

In the select mode, designed for immediate dispensing, the machine will dispense a tape length of any multiple of 10 mm from 150 mm to 1600 mm on keying in the selected length on the keyboard; repeat lengths of the same size can then be dispensed as often as required. Alternatively, the unit can be reprogrammed repeatedly for different individual lengths of tape.

The preset mode allows a required length (from 150 mm to 650 mm) to be pre-programmed to be dispensed when required. For more complex requirements, the auto mode can be programmed to dispense a sequence of up to eight different lengths at selected intervals of time.

In addition to these basic modes, the Selectronic offers two options which can override instructions in any mode: a random facility by which tape can be dispensed to any length while the switch is depressed; and a memory

facility whereby two lengths can be held in memory for instant dispensing whenever required.

The Butterfly Selectronic can operate with any grade of gummed tape in widths from 24 mm to 100 mm, wound with the gum on the inside or the outside. It is fitted with a thermostatically-controlled water reservoir, of 1 litre capacity, and with double brushes.

Samuel Jones & Co Limited, Riversfield House, St Neots, Huntingdon, Cambridgeshire, PE19 4EE, England.

Flame retardant additive available for use in adhesives

Manufactured by Saytech Inc, New Jersey, USA, Saytex 105 (pentabromoethylbenzene) flame retardant additive is available in the form of an 'off-white' powder. Slightly soluble in water, it will dissolve in many typical organic solvents. It is particularly recommended for use in thermoset polyesters, adhesives, and coatings, where it will become activated at an early stage of fire development, should this occur. Saytex 105 is said to have a comparatively low melting point (between 136°C and 138°C) and to sublime into a stable vapour above 200°C.

Saytex 105 is distributed in the UK by *Brenntag (UK) Limited,*

Brenntag House, 45 High Street, Hampton Wick, Kingston-upon-Thames, Surrey KT1 4DG, England, from whom further technical information is available.

High temperature contact adhesive bonds up to 315°C

Designed for use in high temperature environments, Aremco-Bond 570, a single-part phenolic elastomer contact adhesive, has been introduced onto the market by The Meclec Company, UK. Aremco-Bond 570 will bond to ceramic, glass, and metal substrates and, due to a small degree of flexibility after curing, will bond materials of dissimilar thermal coefficient of expansion, such as quartz to metal. It may be applied with brush or spray onto both surfaces which, after drying, may be brought together and adhesion will be achieved. Thereafter, a heat cure under pressure will achieve a high strength bond which should resist temperatures up to 315°C.

The Meclec Company, 5/6 Towerfield Close, Shoeburyness, Essex, SS3 9QP, England.

Lightweight epoxy filler for use in marine environments

An epoxy filler which may be used for fairing alloy, steel, and fibre-reinforced plastic components used in marine environments has been introduced onto the market by Structural Polymer Systems Limited. Called S' Fill it is claimed to exhibit good adhesion to all the above materials, to be shrink-free, to be waterproof and cure at low temperatures. S' Fill is a two-part epoxy in which resin and hardener are supplied in different colours to be mixed in a 1 : 1 ratio. Once set it is said to be easier to sand down than conventional fillers.

A data sheet giving full details of S' Fill performance and handling characteristics may be obtained from: *Structural Polymer Systems Limited, Cowes, Isle of Wight, PO31 7BS, England.*



Fig. 4 The Butterfly Selectronic brings versatility to gummed label dispensing