

# Insulect Australia

## Engineering Materials



### Electrical & Mechanical Applications

Insulect is a leading specialist supplier of materials for electrical and mechanical engineering applications. Building on our traditional business as a supplier of industrial insulation materials, our product offering has evolved over the years to encompass a range of plastic, composite and cellulose-based materials for use in electrical and mechanical applications.

We specialise in providing materials and finished components for applications where conventional materials fall short or are unsuitable. Our expertise in providing customer-specific solutions comes as a result of working closely with major users of these products including BHP Billiton, ABB and Areva/Alstom.

### Products & Materials

Insulect has long-established supply agreements with some of the world's leading suppliers of engineering materials, allowing us to provide consistently high-quality products to our customers. This includes brands like Pucaro, Röchling, Glastic and Munksjö.

The following are examples of some of the materials we are able to supply:

- Densified wood
- Polyester and epoxy glass laminate
- Epoxy phenolic
- Silicone bonded mica
- DMD and NMN flexible laminate
- Switchpanel
- Polycarbonate
- PVC
- Fabric and paper Bakelite
- Pressboard and presspaper
- Corrugated board
- Crepe paper
- Stand-off insulators
- Heat shrink tubing

Many of these materials are available in sheet, rod and tube formats. They can be supplied as full sheets, cut to size, or fully machined / fabricated components. In addition to the above materials, Insulect also supplies a number of complimentary products for specific markets and applications.

### Industries Serviced

Insulect's experienced staff, together with our two modern manufacturing facilities, provide tailored solutions to the following industries:

- Switchboard manufacture
- Switchgear
- Transformer manufacture
- Aluminium smelting
- Steel and metals production
- Rail
- LNG
- Mining
- Mineral processing
- Power generation and distribution