

# High Performance Release Film



## For Lamination of Rigid Multilayer and Flexible Circuits

**PACOTHANE®** is a high temperature-resistant Release Film specifically engineered for laminating rigid, flexible and exotic substrate Printed Circuit Boards. It is manufactured in-house under a patented process\*, with stringent quality controls.

### **PACOTHANE RELEASE FILM FEATURES**

- Easy, contaminant-free release from resins and separator plates.
- Proven worldwide performance and acceptance since 1984.
- Operating temperatures up to 400°F / 204°C for up to 6 hours.
- 50% thicker than other release films for easier handling.
- Smooth surface finish, with superior conformal properties.
- Free of embedded impurities.
- Extremely low X-Y axis shrinkage and reduced static potential.
- Essentially inert: no out-gassing, no plate residue, no interlaminar adhesion influence, no vacuum system contamination.
- Environmentally friendly: no Ozone Depleting Chemicals, no Flourines.
- Available in custom-sized tooled sheets and rolls shipped "Just-in-Time" from exclusive local Distributors around the world.

### **APPLICATIONS**

- **Rigid Multilayer Panels:** To contain resin squeeze-out; to buffer and protect copper from damaged plates; to minimize stress effect from aluminum plates; to reduce frequency of plate cleaning; to increase plate life; to prevent press pads from sticking to plates or bonding to tooling pins.

## **DESCRIPTION**

**PACOTHANE®** Release Film is offered in two optimized thicknesses: Type #1500, which is .0015"/38µ thick, and Type #1200, which is .0012"/28µ thick. The #1500 is engineered to improve operator handling and offer improved PCB surface quality by buffering sensitive copper surfaces from damaged plates. The #1200 features excellent performance with lower cost.

**PACOTHANE®** is manufactured in accordance with a patented process which virtually guarantees unparalleled performance consistency. All manufacturing and fabrication operations are performed in-house, offering total supplier control and accountability.

## **AVAILABILITY**

**PACOTHANE®** Release Film is available in rolls and in custom-made sheet sizes, tooled to customers' specifications.

**PACOTHANE®**, as well as the complete line of lamination enhancement products listed below, is available from leading local Distributors around the world, who offer "Just-in-Time" delivery from locally-available stocks.

Other complimentary Lamination Assist Product offerings include:

### **RELEASE PRODUCTS**



### **PRESS PADS**



### **APPLICATION SPECIFIC**



A Division of Multilayer Worldwide Enterprises LLC



76 Holton Street, Woburn, MA 01801 tel: 781-729-0927 fax: 781-729-0929 [www.pacothane.com](http://www.pacothane.com)