

# **MOST ECONOMICAL, HIGH PERFORMANCE, PRESS PADS**



## **For Lamination of Rigid Multilayer and Flexible Circuits**

**PACOPAD 2700™** “Green” Pad is an environmentally-friendly, multi-use Press Pad, specifically engineered to improve the high-pressure Lamination Process of Rigid Multilayer, Flexible Coverlayer Printed Circuit Boards, and other like applications. As such, **PACOPAD 2700** is an economical, non-stick alternative to “Blue” and “Brown” Kraft Paper, offering superior performance while reducing materials costs significantly.

**PACOPAD 2700** serves three critical Functions: to accurately Control Heat Input; to Equalize Pressure Application; and to Reduce Cost.

### **PACOPAD 2700 “GREEN” PAD FEATURES**

- Optimized thickness of 0.68mm [0.027"] to allow micro-adjustment of Heat Input and to allow rotating new and re-used **PACOPAD 2700** sheets in the Lamination Book.
- Engineered weight of 350 gms/M2 [215 lbs./3000 sq. ft.] and lower density to give ample Z-axis compression resulting in improved overall surface Pressure Equalization.
- Proprietary release technology assures NO sticking to Steel Separator Plates.
- High Temperature resistance of 246°C [475°F].
- Low Moisture Content to reduce liquid build-up in vacuum systems and to minimize Thermal change when re-used.
- Low fiber Dusting and Contamination.
- No resin, binders, or fillers, essentially sulfur free, with reduced odor and no solvents to attack vacuum systems.
- Environmentally Friendly - suitable for re-pulping, landfill disposal or incineration.

## **LAMINATION PROCESS ADVANTAGES**

- **Control of Heat Rise & Process Flexibility**  
**PACOPAD 2700** controls Heat Input with predictable and repeatable results due to its uniform Fiber Formation, tightly controlled Thickness, Weight, and Moisture specifications. Multiple sheets can be used and reused in build-up to reach Heat Rise Specifications.
- **Equalization of Pressure throughout the Lamination Book**  
Use of **PACOPAD 2700** eliminates Lamination Measles, Inner-layer Slippage and “white” Corners or Edges. **PACOPAD 2700** enables tight Dielectric Thickness Control and reduces Image and Glass-cloth Transfer into the Copper Foil, as well as low-pressure Prepreg Blisters.
- **Cost Effective**  
**PACOPAD 2700** is engineered to withstand four [4] Lamination Press Cycles, while offering superior Heat and Pressure Control. The result: significant Cost Savings.

## **TECHNICAL DESCRIPTION**

**PACOPAD 2700** is an advanced, cellulosic-based product, engineered specifically to meet the performance requirements of both Rigid Multilayer, and Flexible Printed Circuit Board manufacture. **PACOPAD 2700** is manufactured to PCB industry standards, using virgin fibers guaranteeing a consistent density and even profile across the entire area of the sheet.

**PACOPAD 2700** is superior to commodity “Blue” and “Brown” Kraft papers because it is engineered and tightly-controlled to maintain Thickness and Weight relationships, to eliminate Contaminants, to keep Moisture low, and to provide Non-Stick performance, run-after-run.

## **AVAILABILITY:**

**PACOPAD 2700** is always available in custom-sized sheets (with or without tooling holes), or in rolls, for “Just-In-Time” delivery through exclusive local Distributors around the world from locally available stocks.

Other complimentary PACOTHANE TECHNOLOGIES® Lamination Assist Product offerings include:

### **RELEASE PRODUCTS**



### **PRESS PADS**



### **APPLICATION SPECIFIC**



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