



## Case Study: Hybrid™ PVC Window Welding

LAMINATED PTFE/FIBERGLASS COMPOSITE RELEASE MATERIALS ENGINEERED FOR PVC WINDOW MANUFACTURING

**Industry:** Home Building Industry

**Application:**

Fabrication of PVC windows

**Problem:**

Traditional PTFE-coated fiberglass release materials are used on metal platens during the PVC window welding process. These platen covers need to be replaced frequently due to the thin PTFE surface on the fiberglass reinforcement. The PTFE coating is easily damaged and abraded off the surface, causing the vinyl window frames to stick to the platens. The downtime required to replace these platen covers results in significant interruption of production, decreasing efficiency and throughput.

**Solution:**

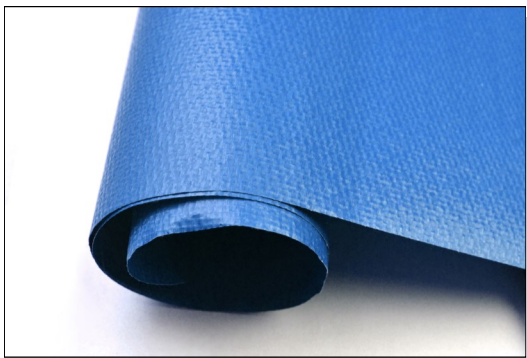
Hybrid™ 6 Release Material

**Implementation:**

TCI's revolutionary Hybrid™ 6 lasts more than 3 times longer than traditional PTFE materials used in PVC window manufacturing. Hybrid materials have significantly greater wear-resistance than PTFE-coated fiberglass and PTFE cast film surfaces. Downtime and release material change-over is reduced for the PVC window manufacturer when using Hybrid 6 Release Material.



• **LASTS MORE THAN 3X (THREE TIMES) LONGER THAN TRADITIONAL RELEASE MATERIALS**



- **Lasts more than 3x longer than competitive products**
- **Increased efficiency and throughput**
- **Excellent release and heat transfer**
- **Available in green and blue**

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