

# Fusion Bond Technology

PG Data Sheet 13

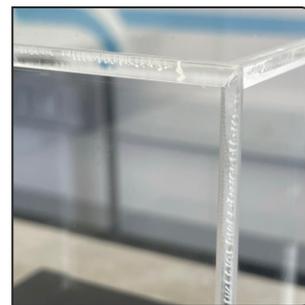
FOR THE PERFECT DISPLAY CASE

Overview

## Description

Panel Graphic's **Fusion Bond Technology** is leagues above other standard bonding techniques.

The majority of standard display cases use butt joints in their construction which can leave unsightly machined edges, along with visible blistering and air pockets. Panel Graphic's cases utilise precision mitred joints combined with our **Fusion Bond Technology** to give the visual impression of seamless lines. The resulting bond demonstrates almost flawless clarity, allowing the viewer's focus to centre on what is most important - what lies beyond.



Standard bonding such as Tensol solvent cement can leave unsightly air pockets.



Panel Graphic's **Fusion Bond Technology** delivers optically clear joints.

## Key Features

Panel Graphic's **Fusion Bond Technology** benefits from several key properties:

- 1 **Visual:** Optimum clarity for joints and edges compared with standard bonding agents such as Tensol solvent cement.
- 2 **Versatility:** Can be manufactured in any size utilising 3000mm x 2000mm sheets and in many geometrical variations.
- 3 **Strength:** Mitre joints provide enhanced geometry providing greater surface contact compared to standard butt joints.
- 4 **Protection:** Provides stable long lasting protection for your display items.

## Typical Applications

Panel Graphic's **Fusion Bond Technology** is mostly utilised in the manufacture of museum grade display cases, where clean lines and optical clarity is key. Whether displaying historical artifacts, architectural models or treasured collections worth protecting, Panel Graphic's **Fusion Bond Technology** is the optimum choice.

In addition to conventional Cast Acrylic we offer several unique materials to enhance your display:

**Optiguard™ AR Acrylic**  
Vacuum Deposition Anti-reflection

**Optiguard™ Clear Acrylic**  
Hard surface treatment

