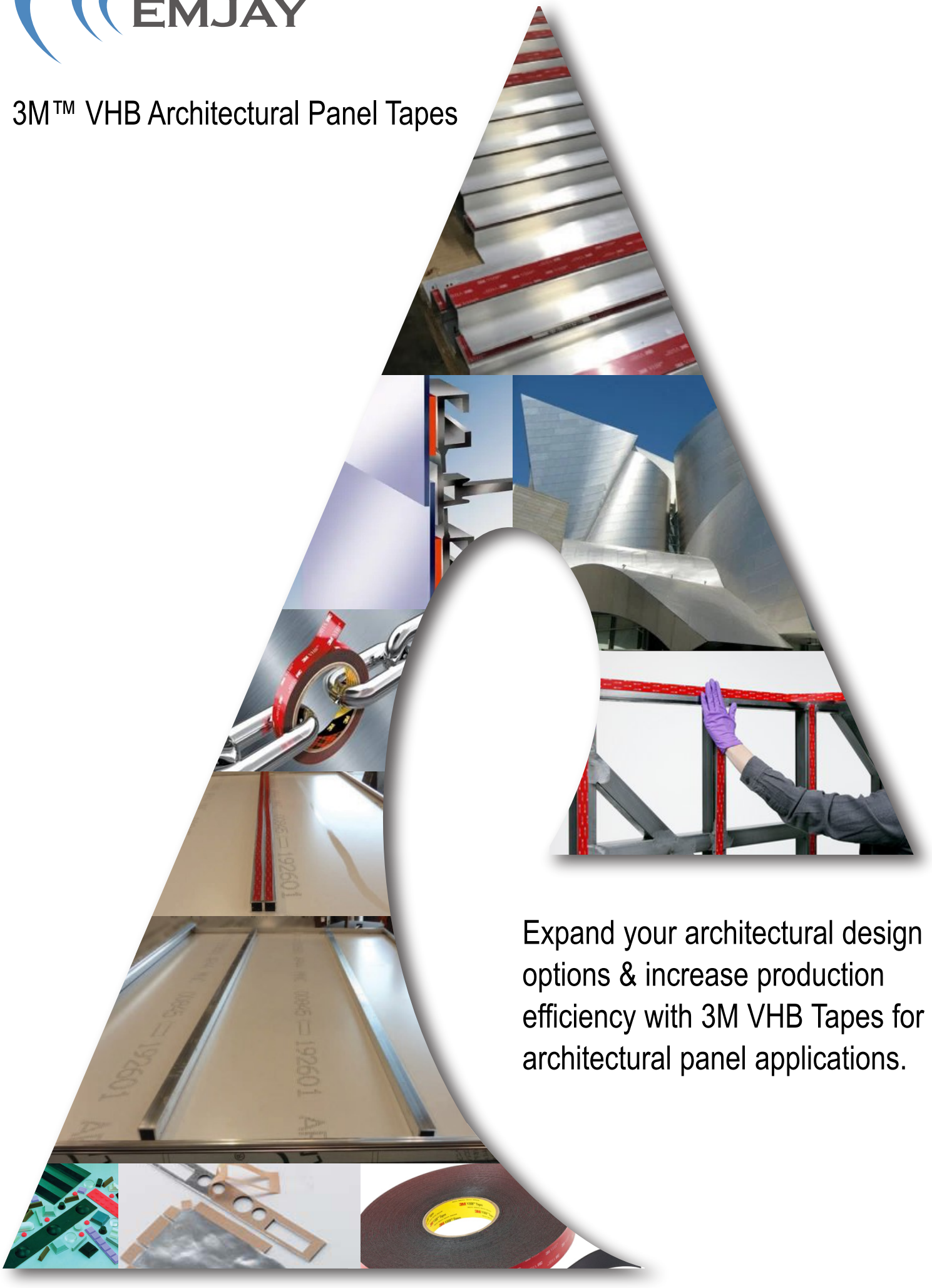
EMJAY

3M™ VHB Architectural Panel Tapes



Expand your architectural design options & increase production efficiency with 3M VHB Tapes for architectural panel applications.

3M VHB Architectural Panel Tape B90F & 3M VHB Tape GPH-160GF

Product	Thickness	Colour	Min Application Temp	Sample	Temperature Resistance		Features/Applications
					Short Term	Long Term	
3M VHB Architectural PanelTape B90F	2.3 mm	Black	15 °C		149 °C	93 °C	• Aluminium, Aluminium Composite, Steel & Stainless Steel Panel bonding. • Stiffener attachment. • Large sized panels and stiffeners (<4000 mm) • Need for greater perimeter frame clearances.
3M VHB Tape GPH-160	1.6 mm	Gray	10 °C		232 °C	149 °C	• Pre-Powder coating. • Stiffener attachment. • Medium sized panels & stiffeners (<2400 mm). • Need for greater perimeter frame clearances.

Expand your architectural design options and increase production efficiency with 3M VHB Tapes for architectural panel applications.

3M™ VHB™ Architectural Panel Tapes and 3M™ VHB™ Tape GPH-160 are high performance double- sided pressure sensitive acrylic foam tapes used in the fabrication of architectural panel systems.

Stiffeners can be attached prior to liquid paint or powder coat processes involving a paint-bake cycle or post-paint. These tapes are a fast and easy-to-use permanent bonding method providing high strength and long-term durability since 1980.

3M™ VHB™ Architectural Panel Tapes

Improved design flexibility and fabrication productivity.

3M™ VHB™ Tapes are used for many applications in the construction industry, including the manufacture of architectural panels for curtain walls, exterior building cladding and interior panel and trim attachment. In many situations, 3M VHB Tapes can replace liquid adhesives, sealants, welds and mechanical fasteners.

3M™ VHB™ Architectural Panel Tapes provide immediate handling strength during the fabrication process and do not shrink after curing, like with some liquid applied sealants. This shrinkage can result in isolated panel stress that may be visible on the exterior face of the architectural panel.

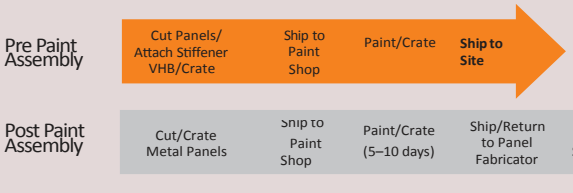
- **Simplified process**
  Easy to apply bonding solution
- **Increased productivity**
  Immediate handling strength reduces assembly and delivery time
- **Improved appearance**
  Eliminates drilling, grinding, refinishing, screwing, welding and associated re-work
- **Less waste**
  Typically, less than 2%waste factor

3M™ VHB™ Tape GPH-160GF

Solving the challenges of panel assembly prior to a paint-bake cycle.

3M VHB Tape GPH-160GF is a 1.6mm thick grey double-sided acrylic foam tape with a red polyethylene film liner. With superior high temperature performance, it can be suitable for assembly prior to liquid paint or powder coat processes involving a paint bake cycle. It's an ideal solution for stiffeners applied to architectural metal panels.

3M VHB Tape GPH-160GF allows increased manufacturing efficiency
through reduced touch points and streamlined processes. The elimination of unnecessary handling and transportation, frees-up time to take on additional projects and most importantly, allows panels to be delivered to the job site quicker.



3M VHB Tape GPH-160GF is compatible with chemicals typically used in paint pre-treatment processes (spray and dip). Tests completed by a leading supplier of pre-treatment chemicals suggest that the tape does not cause premature degradation of chemical solutions. It is understood that paint pre-treatment processes may differ between systems and it may be advisable to conduct compatibility and/ or degradation tests to confirm compatibility with your specific system.

3M VHB Tapes are fully cured allowing stiffeners to be pre-taped prior to assembly.

Converting

Converting to die cutting can add value to any product by increasing design flexibility and freeing designers from many constraints, resulting in higher quality finished products.

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To learn more about how **Emjay Products** can assist your business with the right product for your application, contact the sales team at **Emjay Products** on **1300 809 093**.

Please note that the technical information and data provided within should be considered representative or typical only and should not be used for specification purposes. User should evaluate the product to determine whether it is fit for a particular purpose and suitable for user's method of application.