Engineering Adhesives for Audio Applications
**Bostik Born2Bond™ Engineering Adhesives** enable manufacturers of audio equipment to design and produce durable, reliable and high-performing products that are also easy to maintain and repair.

**‘BY THE DOT’ APPLICATIONS**

Strong, flexible, fast curing and available in multiple viscosities and pack sizes for manual or automated dispensing, these solutions are ideal for high-precision ‘by the dot’ applications and bond to all substrates used in the manufacturing of audio equipment such as plastic, metal and rubber.

They also offer excellent environmental resistance, making them the optimum choice to withstand shocks, vibrations and resonances typically found in professional and consumer audio devices and systems, microphones, hearing aids and automotive applications such as in-car entertainment.

In addition to their high-performance properties, many Born2Bond™ solutions are low blooming, low odor and low VOC, meaning manufacturers can offer safer working conditions, maximize throughput and reduce costs – all without any compromise on design, aesthetics or sound quality.

### IN-EAR HEADPHONE ASSEMBLY

1. **MICROPHONE MESH ASSEMBLY**
   - **SOLUTIONS**: Born2Bond™ High Performance HMPUR Adhesives (non-serviceable), UV Instant Adhesives, Instant Adhesives

2. **ELECTRONICS ENCAPSULATION**
   - **SOLUTIONS**: Born2Bond™ UV-Instant Adhesives, UV-Epoxy Adhesives, UV-Acrylate Adhesives

3. **MAGNET BONDING**
   - **SOLUTIONS**: Born2Bond™ High Performance HMPUR Adhesives (non-serviceable), UV Instant Adhesives, Instant Adhesives, XMA Structural Adhesives

4. **DIAPHRAGM BONDING**
   - **SOLUTIONS**: Born2Bond™ Instant Adhesives

5. **FRONT TWEETER BONDING**
   - **SOLUTIONS**: Born2Bond™ High Performance HMPUR Adhesives (non-serviceable)

6. **FRONT HOUSING BONDING**
   - **SOLUTIONS**: Born2Bond™ High Performance HMPUR Adhesives (non-serviceable)

7. **ACTIVE NOISE CANCELER MICROPHONE BONDING**
   - **SOLUTIONS**: Born2Bond™ High Performance HMPUR Adhesives (non-serviceable)

8. **BATTERY CELL ASSEMBLY**
   - **SOLUTIONS**: Born2Bond™ UV-Instant Adhesives, Instant Adhesives, Low-Pressure Molding Hotmelt
SOLUTIONS: Born2Bond™ High Performance HMPUR Adhesives (non-serviceable), Instant Adhesives

SOLUTIONS: Born2Bond™ Instant Adhesives

SOLUTIONS: Born2Bond™ Instant Adhesives

SOLUTIONS: Born2Bond™ Instant Adhesives, XMA Structural Adhesives

SOLUTIONS: Born2Bond™ High Performance HMPUR Adhesives (non-serviceable), Instant Adhesives

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SOLUTIONS: Born2Bond™ High Performance HMPUR Adhesives (non-serviceable), Instant Adhesives

SOLUTIONS: Born2Bond™ High Performance HMPUR Adhesives (non-serviceable)

SOLUTIONS: Born2Bond™ UV-CIPG Gasketing (serviceable)

SOLUTIONS: Born2Bond™ UV Instant Adhesives, Instant Adhesives
**All Born2Bond™ Engineering Adhesives** are suitable for small production runs using manual application, as well as semi- or fully-automated production lines.

### BORN2BOND™ INSTANT and UV-INSTANT ADHESIVES
- Low-odor solutions for increased user comfort
- **Light Lock**: patented dual-cure adhesive with ‘cure-on-demand’ properties for increased throughput and cure of excess material
- Vibration and shock resistance for enhanced safety and durability
- Low bloom and no yellowing for uncompromised fine finishes

### BORN2BOND™ XMA STRUCTURAL ADHESIVES
- Structural, durable and fast bonding
- Suitable for applications as small as 0.5mm bead size
- High elongation for excellent resonance and shock resistance
- Color-changing properties to indicate mix quality and curing status

### BORN2BOND™ HIGH PERFORMANCE HMPUR ADHESIVES
- Multi-substrate adhesion
- High temperature, humidity and chemical resistance
- Good balance between strength and elasticity
- Suitable for automated dispensing for high-precision applications

### BORN2BOND™ UV-CIPG GASKETING
- Waterproofing and dustproofing for increased durability
- Resistant to temperature fluctuations and chemicals
- Extremely flexible and durable
- Suitable for automated dispensing for high-precision applications

### HIGH PERFORMANCE POLYMERS
Beyond Bostik’s portfolio as the adhesive solutions division, Arkema also offers pioneering and sustainable high performance polymers to customers from a broad range of markets. Bio-based and recyclable **Rilsan® polyamide 11**, **Rilsan® Clear Rnew®** polyamides, and **Pebax® Rnew® elastomers** are all chosen by manufacturers for their lightness, flexibility, toughness, chemical resistance, stress cracking resistance, overall durability as well as easy processibility – making them ideal for audio applications.

For more information and to order free Born2Bond™ samples, please visit: Born2Bond.Bostik.com

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