



BOSTIK

**BORN²
BOND™**

Engineering Adhesives for Sports and Leisure Equipment



Adhesive solutions by
ARKEMA

Engineering Adhesives **2022**



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MANUFACTURING REQUIREMENTS

Bostik Born²Bond™ Engineering Adhesives enable manufacturers of sports and leisure equipment to design and produce durable, lightweight and high performance products that are easy to use, repair, maintain and recycle.

- Automation, in-line integration & high throughput
- Serviceability & repairability
- High precision, aesthetics & multi-substrates
- Sustainability & safety

SOLUTIONS FOR ALL SPORTS AND LEISURE APPLICATIONS



Composite parts bonding with **Born²Bond™ XMA Structural**, **Bostik 2K-Epoxy, 2KPU**



Helmet polystyrene and rubber bonding with **Born²Bond™ Instant Adhesives**



Handles and frame bonding with **Born²Bond™ Instant Adhesives**, **Born²Bond™ XMA Structural**



Sports eyewear parts bonding with **Born²Bond™ Instant Adhesives**, **Born²Bond™ UV-Acrylates**



Display bonding with **Born²Bond™ HMPUR**, and serviceable gasketing with **Born²Bond™ UV-CIPG**



Connected electronics protection with **Born²Bond™ Light Lock**, **Bostik Thermelt HMPA**



Sports shoes bonding with **Born²Bond™ Instant Adhesives**, **Bostik HMPUR, HMPSA, Webs**



Fitness equipment parts bonding and assembly with **Born²Bond™ Anaerobic Adhesives**, **UV-CIPG** and **Instant Adhesives**



Structural bonding with **Born²Bond™ XMA Structural**, **Bostik 2K-Epoxy, 2KPU**



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E-BIKE ASSEMBLY



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1 ELECTRONICS AND CONNECTED DEVICES

SOLUTIONS:

Born2Bond™ HMPUR Adhesives
Born2Bond™ UV-CIPG Gasketing

BENEFITS:

Reliable bonding with HMPUR,
serviceable gasketing with UV-CIPG

2 E-MOTORS

SOLUTIONS:

Born2Bond™ Instant Adhesives
Born2Bond™ Anaerobic Adhesives

BENEFITS:

High precision, fast-curing solutions,
low blooming, vibration resistance

3 STRUCTURAL PARTS BONDING

SOLUTIONS:

Born2Bond™ XMA
Bostik 2KPU
Bostik SAF and FIT MMA

BENEFITS:

Structural bonding, durability

4 BATTERY SYSTEMS

SOLUTIONS:

Born2Bond™ XMA Structural
Born2Bond™ Light Lock HV/Gel
Born2Bond™ Anaerobic Adhesives
Born2Bond™ UV-CIPG Gasketing
Born2Bond™ HMPUR Adhesives
Bostik Butyl
Bostik Hot Melt Foam Gasket
Bostik Sealant ISR Range
Bostik Structural 2KPU
Bostik Assembly HMPSA
Bostik Thermelt™ HMPA

BENEFITS:

Serviceable bonding, durability, reliable
bonding with HMPUR, XMA Structural, UV-
Instants, serviceable gasketing with UV-CIPG.
Durable and serviceable threadlocking of
mechanical parts.

Reliable battery component assembly with
SMP, 2KPU, Hotmelts, Anaerobics, serviceable
gasketing with Butyls, BMS electronic
components protection with HMPA low
pressure molding, dual-cure instant adhesives.

Explore Bostik's full range of e-bike assembly and bonding solutions

Born2Bond.Bostik.com/e-bike



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BORN²BOND™ SOLUTIONS

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 and low bloom solutions available for increased user comfort and uncompromised fine finishes
- Dual-cure adhesives feature 'cure-on-demand' properties for increased throughput and cure of excess material (patented **Light Lock** grades only*)
- Fast bonding solutions available for enhanced reliability and durability
- Automatic, semi-automatic and manual high-precision dispensing options



BORN²BOND™ ANAEROBIC ADHESIVES

- Vibration, corrosion and chemical resistance for increased reliability
- Reduced stock and inventory of fasteners
- 100% connection – no loosening of screws
- High power transmission and resistance to dynamic loads
- Sustainable and more cost-effective solution to traditional mechanic fasteners
- Automatic, semi-automatic and manual high-precision dispensing options
- WL Range (non-CLP option) also available**



BORN²BOND™ HDD HMPUR ADHESIVES and UV-CIPG GASKETING

- Multi-substrate adhesion
- High temperature, humidity and chemical resistance
- Good balance between strength and elasticity
- Waterproofing and dustproofing for increased durability
- Extremely flexible and durable
- Suitable for automated dispensing for high-precision applications



BOSTIK SAF and FIT STRUCTURAL MMA ADHESIVES

- Excellent environmental and chemical resistance
- Permanent toughness and high elongation
- Minimal surface preparation
- Wide range of open and curing times
- Wide service temperature range
- Maintains shape through vertical and overhead non-sag application properties



HIGH PERFORMANCE POLYMERS

ARKEMA

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** and **Pebax® Rnew® Elastomers** are all chosen by manufacturers for their lightweight, high energy return, flexibility or high rigidity when required, cold temperature performance, overall durability as well as easy processibility – making them ideal for sports and leisure applications.



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



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