

INNOVATION SOLUTION TO BOND ON DEMAND BORN2BOND™ STRUCTURAL (TWO-COMPONENT HYBRID CYANOACRYLATE)

ABSTRACT:

In all sectors of production, productivity is more than ever a challenge beside quality. Assembly processes demand new solutions to accelerate the bonding speed, with the highest level of automation and guaranty of final performance.

Born2Bond™ Structural instant technology is a high-strength, two-component hybrid cyanoacrylate with a bond-on-demand performance advantage. The hybrid technology provides a room temperature cure with a fast fixture time of ~30 seconds. The characteristics that sets this technology apart is a long open-time while maintaining good processability at up to a 5mm gap. Whether the materials are bonded 1, 5, 10 or 25 minutes after dispensing the adhesive, the cure will reach is full strength potential, with the same speed, offering unmatched process flexibility.

Born2Bond® Structural hybrid technology aims to provide structural performance with up to 18 MPa lap shear, temperature-aging

resistance up to 120°C, gap filling, and long open time that no other cyanoacrylate technology can claim.

Dedicated for delicate microassembly and precise applications (Electronic, medical, luxury goods, etc.) **Born2Bond™ Structural** is also found to be a good fit in Transportation and particularly Automotive, thanks to its hot strength with more than 5 MPa at 80°C. Some examples of automotive applications include Brackets bonding, sensor bonding (interior trim and tires), and plastics assembly as an alternative to Welding

Structural also offers friendlier labelling in some regions, over other technologies like Epoxies, Polyurethanes or MMA's. Our **Structural** product is also sustainably produced from monomers and an Innovative process that reduces the carbon footprint. Our innovation also offers ease of recycling by thermal dismantling over 120°C.