**BETASEAL™ Glass Bonding Innovations Since 1961**

- **1961** BETA SEAL™, the first adhesive to bond automotive glass, is used on the GM Oldsmobile Cutlass
- **1970** FMVSS 212 mandates windshield retention requirements for motor vehicles during crashes
- **1973** BETA SEAL™ is specified for bonded windshields in mass production at GM in the US
- **1973** FMVSS 216 roof crush resistance standard takes effect for passenger cars
- **1976** BETA SEAL™ is specified for bonded windscreens in mass production at Audi in Europe
- **1980** BETA SEAL™ 2K glass bonding adhesive is introduced, bringing improved strength and reliable room-temperature curing
- **1990** BETA SEAL™ advanced-cure 2K high-modulus/non-conductive glass bonding adhesive launches for aftermarket
- **2000** BETA SEAL™ 1K, high-modulus/non-conductive adhesives are introduced
- **2010** BETAPRIME™ all-in-one glass primer requires no shaking and offers a sure, easy, and fast installation
- **2011** BETA SEAL™ 1K glass bonding adhesive with 30-minute MDAT becomes the fastest cold-applied system available
- **2020** BETASEAL™ adhesive system with MDI-free primers offers further sustainability and the benefits of high-modulus and non-conductive technologies
- **2020** BETA SEAL™ primerless-to-glass becomes the first glass bonding adhesive for OEMs that doesn’t require an activator, primer, or cleaner

**BETASEAL™ advantages for manufacturers include:**
- Excellent performance on glass and ceramic substrates
- Compatibility with all vehicle production processes, including cold- and warm-applied systems
- Exceeds OEM durability specifications and Federal Motor Vehicle Safety Standards for barrier, rollover, and roof crush regulations

**For the aftermarket, BETA SEAL™ can help:**
- Return a vehicle to OEM quality, safety, and specifications
- Exceed FMVSS and other global requirements for occupant safety
- Deliver fast ADAS recalibration
- Provide 30-minute MDAT in select formulations

**BETASEAL™ is an elastic polyurethane adhesive for glass and plastic bonding**