Kraken Bond Introduces Specialized Aquarium Safe Silicone Sealant for Fish Tank Construction and Repair

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CHANTILLY, VA - August 03, 2026 -
Chantilly, Virginia-based Kraken Bond has introduced a specialized silicone sealant formulated specifically for aquarium and vivarium construction, addressing the unique safety requirements of hobbyists who need reliable glass-to-glass bonding without risking harm to aquatic life.

The aquarium sealant features a 100 percent silicone formulation designed to create waterproof bonds at joints while maintaining strength and elasticity across the temperature ranges typical in both freshwater and saltwater setups. Unlike general-purpose household sealants that may contain chemicals harmful to fish, this specialized product eliminates hazardous compounds that could leach into tank water.

Aquarium hobbyists face distinct challenges when building or repairing tanks, particularly during summer months when new tank construction peaks. Standard construction sealants often contain fungicides, mildewcides, and other additives that, while useful for bathroom or kitchen applications, can prove toxic to sensitive aquatic organisms. The need for a sealant that combines structural reliability with complete fish

safety has long been a concern in the hobbyist community.

"Aquarium enthusiasts invest significant time and resources into creating healthy environments for their fish, and they deserve a sealant engineered specifically for their needs," said Michael Chen of Kraken Bond LLC. "We recognized that expecting hobbyists to adapt general construction products for their specialized applications was asking them to take unnecessary risks with their aquatic life. This formulation addresses those concerns directly."

The silicone sealant maintains its bond integrity when continuously submerged, a critical requirement for aquarium applications where seal failure can result in catastrophic water loss. The formulation resists degradation from both freshwater and saltwater exposure, making it suitable for marine reef tanks, freshwater planted aquariums, and terrestrial vivarium water features.

Beyond new tank construction, the product serves hobbyists performing leak repairs on existing aquariums. The sealant adheres effectively to previously sealed joints, allowing for spot repairs without requiring complete resealing of the entire tank. This capability proves particularly valuable for addressing minor leaks in established aquariums where complete drainage and resealing would disrupt mature biological filtration systems.

The development reflects growing sophistication in the aquarium hobby, where enthusiasts increasingly seek products designed specifically for their applications rather than adapting materials from other industries. As tank designs become more complex and livestock more valuable, the demand for purpose-built materials continues to expand.

Hobbyists interested in learning more about the product can connect with Kraken Bond on Facebook to see application examples and connect with other aquarium builders using the sealant in their projects.

Kraken Bond specializes in providing high-performance chemical solutions including adhesives, sealants, polyurethane foams, and insulation materials. The company operates from its facility in Manassas, Virginia, serving both professional contractors and consumers throughout the United States. With a comprehensive product line spanning spray foam insulation, construction adhesives, specialty sealants, and cleaning products, Kraken Bond focuses on developing formulations that address specific application challenges across multiple industries.

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For more information about Kraken Bond, contact the company here:Kraken BondKraken Bond(571) 445-5665hello@krakenbond.net13905 Willard Road, Chantilly, VA 20151, United States

Kraken Bond

KrakenBond offers professional-grade spray foam insulation, sealants, adhesives, and cleaners trusted by contractors and DIYers alike. Shop high-performance products designed for tough jobs?backed by quality, innovation, and fast shipping.

Website: https://krakenbond.net/

Email: hello@krakenbond.net

Phone: (571) 445-5665