

## B8X-495 General-Purpose Instant Adhesive

B8X-495 is a go-to instant adhesive for applications requiring speed, simplicity, and broad material compatibility. Its low viscosity ensures excellent wettability and capillary flow into tight joints, while its balanced formulation supports consistent performance across common engineering substrates—from ABS and PVC to nitrile rubber and aluminum. With a service temperature up to 121°C (250°F), it bridges the gap between workshop convenience and industrial reliability.

### Key Technical Specifications

Parameter	Value
Viscosity	40 cP
Appearance	Clear
Gap Fill	0.004 in. (0.12 mm)
Fixture Time (steel)	~5 seconds
Shear Strength	2,060 psi (14.2 N/mm <sup>2</sup> )
Service Temperature	-40°C to +121°C (-40°F to 250°F)
Packaging	20g / 500g / 1000g

### Performance Highlights

- **5-Second Fixture Time:** Enables immediate handling—ideal for high-throughput lines or quick repairs.
- **True Multi-Material Adhesion:** Bonds **plastics (ABS, PC, PVC), elastomers (EPDM, NBR), and metals (steel, aluminum, brass)** without primers in most cases.
- **Low Viscosity for Precision:** Flows easily into micro-gaps and complex geometries with minimal application effort.
- **Wide Service Temperature:** Stable performance from sub-zero to 121°C—suitable for automotive interiors, appliances, and outdoor electronics.
- **Cost-Effective Versatility:** One adhesive for dozens of common assembly challenges.

## Typical Applications

- **Electronics:** Securing connectors, cable ties, and small housings
- **Automotive Interiors:** Trim clips, badge mounting, sensor brackets
- **Consumer Goods:** Appliance assembly, toy manufacturing, power tool components
- **Maintenance & Repair:** Fixing broken plastic housings, rubber feet, or metal fixtures
- **Prototyping & R&D:** Rapid iteration with reliable, repeatable bonds

## Application Guidelines

- Clean surfaces with isopropyl alcohol or appropriate solvent before bonding.

- Apply a thin layer—excess adhesive can slow cure and reduce bond strength.
- For polyolefins (PP, PE) or silicone-based rubbers, use a surface primer for optimal results.
- Store in original container at room temperature (<25°C) with cap tightly closed.

## **Why Choose B8X-495?**

When you need one fast, reliable adhesive for everyday bonding across plastics, rubber, and metal—without over-engineering—B8X-495 delivers proven performance at an exceptional value. It's the workhorse of the B8X instant adhesive family.

Available in 20g (trial/workshop), 500g, and 1000g (production) formats.

**Request a sample today to streamline your assembly process with B8X-495.**