

## Technical Product Data

Chemical base	<b>1-C polyurethane</b>
Color	<b>Black</b>
Cure mechanism	<b>Moisture-curing</b>
Density (uncured)	<b>1.2 kg/l approx.</b>
Non-sag properties	<b>Very good</b>
Recommended application temperature	<b>5 - 35°C</b>
Tack-free time <sup>2</sup>	<b>15 min approx.</b>
Open time <sup>2</sup>	<b>10 min approx.</b>
Curing speed <sup>2</sup>	<b>3 mm / 24 hr approx.</b>
Shore A hardness (ISO 868)	<b>65 approx.</b>
Tensile strength (ISO 37)	<b>9 N/mm<sup>2</sup> approx.</b>
Elongation at break (ISO 37)	<b>300 % approx.</b>
Tear propagation resistance (ISO 34)	<b>12 N/mm approx.</b>
Tensile lap-shear strength (ISO 4587)	<b>5.5 N/mm<sup>2</sup> approx.</b>
Drive-Away Time - 0 - 39kg* screen weight, -5° to +35°C, belted	<b>1 hour</b>
Volume resistivity (ASTM D 257-99)	<b>10<sup>8</sup> Ωcm approx.</b>
Shelf life (storage below 25°C)	<b>9 months</b>

<sup>2</sup>All Data at 23°C/50%r.h

\* = According to FMVSS 212/ (for vehicles with a gross weight below 4500kg)

**Description**

**Ezi-Gun<sup>®</sup> Ultra** is a fast-curing, cold-applied windscreen adhesive with high shear modulus. Easy to apply, with excellent technical characteristics (black primer-less on glass, compatible with modern windscreen/rear screen electronic systems as it is non-conductive).

**Product Benefits**

- One-part polyurethane
- Short drive-away times to US safety standards FMVSS 212/ (based on testing carried out with seatbelts, twin airbags fitted)
- Easy to apply, no pre-heating required
- short cut-off string
- very good non-sag characteristics
- Prevents contact corrosion in the case of aluminum bodies vehicles

**Areas of Application**

**Ezi-Gun<sup>®</sup> Ultra** is to be used by professional experienced fitters only. If this product is used for other applications than Automotive Glass Replacement, tests with current substrates and conditions have to be performed by user to ensure adhesion and material compatibility

### **Cure Mechanism**

**Ezi-Gun<sup>®</sup> Ultra** cures by reaction with atmospheric moisture.

### **Chemical Resistance**

**Ezi-Gun<sup>®</sup> Ultra** is resistant to water and proprietary aqueous cleaning agents (including windscreen cleaners containing alcohol); temporarily resistant to fuels, mineral oils, vegetable and animal fats and oils; not resistant to organic acids, alcohol, concentrated mineral acids and caustic solutions or paint thinners.

### **Method of Application**

#### *Removal of old windows*

Remove damaged glass in accordance with the vehicle manufacturer's instructions.

#### *Surface preparation*

Surfaces must be clean, dry and free from all traces of dust and grease. The bond faces must be treated with a cleaning and activating agent or primed with the appropriate primer. Automotive glass without ceramic coating needs proper UV protection.

#### *Application*

Cut off the tip of the nozzle in accordance with the vehicle manufacturer's recommendation and screw onto the sausage adapter.

It is recommended to apply the adhesive with a piston-type application gun. To ensure a uniform thickness of the adhesive bead, we recommend that the adhesive be applied in the form of a triangular bead.

The substrate temperature must be between 5°C and 35°C.

#### *Removal*

**Ezi-Gun<sup>®</sup> Ultra** may be removed from tools and equipment with Direct Glazing Adhesive Remover or another suitable solvent. Once cured, the material can only be removed mechanically.

Do not use solvents to clean hands or exposed skin.

### **Further Information**

Available at [www.laddaw.co.uk](http://www.laddaw.co.uk) and copies of the following publications are available on request:

- Material Safety Data Sheet

### **Packaging Information**

Unipack – 400ml

### **Health and Safety Information**

For information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Material Safety Data Sheets containing physical, ecological, toxicological and other safety-related data.

### **Legal Notes**

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