

Technical Product Data

Chemical base	1-C polyurethane
Color	Black
Cure mechanism	Moisture-curing
Density (uncured)	1.2 kg/l approx.
Non-sag properties	Very good
Recommended application temperature	5 - 35°C
Tack-free time ²	15 min approx.
Open time ²	10 min approx.
Curing speed ²	3 mm / 24 hr approx.
Shore A hardness (ISO 868)	65 approx.
Tensile strength (ISO 37)	9 N/mm² approx.
Elongation at break (ISO 37)	300 % approx.
Tear propagation resistance (ISO 34)	12 N/mm approx.
Tensile lap-shear strength (ISO 4587)	5.5 N/mm² approx.
Drive-Away Time - 0 - 39kg* screen weight, -5° to +35°C, belted	1 hour
Volume resistivity (ASTM D 257-99)	10⁸ Ωcm approx.
Shelf life (storage below 25°C)	9 months

²All Data at 23°C/50%r.h

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

Description

Ezi-Gun® 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® 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® Ultra cures by reaction with atmospheric moisture.

Chemical Resistance

Ezi-Gun® 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® 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 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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