



# ZETTEX

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## TECHNICAL DATA SHEET

### PU 80

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### Product description

ZETTEX PU 80 is a one-component, ultra-fast curing, flexible and high-performance polyurethane adhesive for the direct glazing of vehicle glass. It is specifically designed to give a fast and safe drive-away time on vehicles fitted with airbags.

### Material

Polyurethane

### Advantages

- One-component polyurethane
- Rapid application and curing
- Suitable for cold and warm application
- High Modulus - maintains torsional rigidity and increases the vehicles NVH values
- Capable of withstanding high dynamic stresses
- Non-conductive
- Suitable for use with integral aerals
- Prevents contact corrosion in aluminum-body vehicles

### Applications

- It is ideal for direct glazing on vehicles where high shear modulus and non-conductive properties are required. Solvent free, it is completely odourless. ZETTEX PU 80 combines a high modulus properties which provides the extra strength required to maintain torsional rigidity, very low volume resistivity and good high-frequency properties, allowing the correct bonding to glass incorporating radio antenna or additional electrical equipment.
- Fit the cartridge into a manual or pneumatic air operated gun (provided with telescopic piston). The surfaces to be treated should be perfectly clean, dry and free from dust and grease. It is necessary to apply a cleaner/activator and a primer on glass. The adhesion on normal vehicle varnishes generally does not require the use of Primer. It is advisable to carry out preliminary adhesion tests on the support. Specific guidance regarding the use of Primers may be obtained by submitting substrate samples to our laboratories.
- Drive Away Time: 30 minutes (throughout operating window of  $-5^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$ ).
- On vehicles fitted with both driver and passenger airbags ZETTEX PU 80 meets Federal Motor Vehicle Safety Standards.

### Safety recommendations

Make sure you have read our MSDS carefully before using this product.

### Packaging

- Cartridge 310 ml

### Storage

ZETTEX PU 80 can be stored for 12 months in its original packing (unopened container) at  $10^{\circ}$ -  $25^{\circ}\text{C}$  in a cool, dry place. The storage temperature should not exceed  $25^{\circ}\text{C}$  for extended periods of time. Keep away from wet areas, direct sunlight and heat sources.

Properties	Specifications
Chemical nature	Polyurethane

Curing Mechanism	Moisture-curing
Colour	Black
Density [g/cc]	1,28 ± 0,02
Curing through volume [mm] 3 (1 day at 23°C and 50% r.h.)	4
Tack-free time [min] (23°C and 50% r.h.)	10-15
Shore A hardness [N/mm <sup>2</sup> ]	60-65
G modulus at 10% [N/mm <sup>2</sup> ]	≥ 2,5
Tensile strength [N/mm <sup>2</sup> ] (ISO 37 DIN 53504)	≥ 9
Elongation [%] (ISO 37 DIN 53504)	≥ 350
Electrical volume resistivity [Ω·cm]	1 × 10 <sup>10</sup>
Application temperature [°C]	from +5°C to +40°C
Temperature Resistance [°C]	-40°/+100°, with brief points at +140°