



Art.-No.:6.5120.0300

5120

1K-PU Windshield Adhesive

Characteristics

4Cr 5120 is a one-component, ultra fast-curing, flexible and high modulus polyurethane adhesive for the bonding of vehicle glass-direct glazing. It is specifically designed to give a fast and safe drive-away time on vehicles fitted with airbags. It is ideal for direct glazing on vehicles where High Modulus and Non Conductive properties are required. Solvent free it is completely odourless.

5120 combines a High Modulus properties which provides the extra strength required to maintain torsional rigidity, and its insulating properties, allowing the correct bonding to glass incorporating radio antenna or additional electrical equipment.

Tech Tip

- 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
- Suitable for use with integral aerials
- Prevents contact corrosion in aluminium-body vehicles

Drive Away Information:

- Drive Away Time: 1-2 hours (23°C and 50% Relative Humidity)
- On vehicles fitted with both Driver & Passenger Airbags
- Vehicle Glass weight below 35kg. Glass weight above 35kg contact Technical Department

5120 meets Federal Motor Vehicle Safety Standards and all long term durability requirements according to the full range of 4CR laboratory and Crash Test Data.

Application

The surfaces to be treated should be perfectly clean, dry and free from dust and grease. It is necessary to apply 5121 Cleaner/Activator and 5122 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.

Technical Data

Elongation at break (DIN 53504)	≥ 300%
Tensile strength (DIN 53504)	9,0 ± 0,1 N/mm ²
Elastic modulus at 100% (DIN 53504)	4,5 ± 0,1 N/mm ²
Hardness Shore A (DIN 53505)	65 ± 5
Specific weight	1,23 0 ± 0,02 g/cc



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Tack free time at 23°C and 50% r.h.	□ 15'
Curing at 23°C and 50% r.h.	≥ 4 mm/24h
Cure mechanism	Moisture curing
Chemical basis	Polyurethane
Colour	black
Electrical volume resistivity	≥ 108 Ω cm
Application temperature	+5°C to +35°C
Temperature resistance	- 40°C / +80°C with brief points at 120°C
Processing time	6'-8'

Storage and Transportation

5120 can be stored for 9 months in its original packing (unopened container) at 5° - 25°C in a cool, dry place.

The storage temperature should not exceed 25°C for extended periods of time. Keep away from wet areas, direct sunlight and heat sources.