



Art.-Nr.: 6.5110.0290

5110

1K Windscreen Glue 1-Step Primerless

Characteristics

5110 Windscree Adhesive 1-Step is a fast curing, primer-free, flexible and high performance SiMP - Silyl Modified Polymer - adhesive for direct glazing of vehicle windows. Specially developed to provide a fast and safe drive away time for vehicles with airbags in 1 hour.

Product advantages:

- Solvent and isocyanate free, odorless
- Primerless adhesion to glass, metals and plastics
- Fast application and curing
- Suitable for cold application
- Excellent thixotropy, non-sagging, short release lines
- High viscosity and green strength: immediate gripping and load-bearing capacity
- Can withstand high dynamic loads
- Suitable for use with integrated antennas
- Prevents contact corrosion on vehicles with aluminum bodywork
- No hazard symbol required



DRIVE AWAY TIME (DAT) Information

TÜV Crash tested:

- Drive Away Time: 1 hour
- For vehicles with driver and front passenger airbags

Our 5110 Window Adhesive 1-Step meets the "Federal Motor Vehicle Safety Standard 212" and all requirements for long-term durability

Application range area

Specially developed for bonding windscreens in the automotive glass replacement parts sector, side and rear windows on cars, trucks, tractors and special vehicles. It is ideal for direct glazing of vehicles where a high shear modulus and non-conductive properties are required. 5110 Window Adhesive 1-Step is also used for bonding glass fiber reinforced plastic elements (roofs, side and front windows) on vehicles. It can be used wherever a strong elastic-structural bonding of elements of different composition (car paint, sheet metal, fiberglass and reinforced plastic) exposed to strong mechanical or thermal stress is required.

Tech Tips

The surfaces to be treated must be completely clean, dry and free of dust and grease. It is necessary to treat the bonding surface according to the data sheet. If necessary, use a specific CLEANER from the 4CR range (e.g. 0610 4CR Silicone Remover). 4CR 5110 can be used without primer on glass, metals and plastics. It is advisable to carry out adhesion tests on the substrate beforehand. Do not use in the presence of curing silicone sealants. Avoid contact with alcohol and other solvent cleaners during the curing process. Avoid air pockets when applying the window adhesive. As the system is moisture-curing, a sufficient supply of air must be ensured. Bonded elements may need to be additionally held or supported during the curing time. Processing and reworking must be carried out within the tack-free time of the sealant.

CLEANING THE EQUIPMENT AND PERSONAL PROTECTIVE MEASURES

Clean the tools used with acetone or solvent. If the adhesive has not yet hardened, it can be removed with cleaning paper or a cloth. As soon as it has hardened, the product can only be removed mechanically. Avoid skin contact by using 4CR latex, rubber or polyethylene gloves. In the event of skin contact, remove the product immediately and wash off with soap and water.



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Technical Data

Curing mechanism	Moisture-curing
Processing temperature.	+ 5°C to + 40°C
Skin formation time 20°C	15 Minutes ca.
Operating temperature	- 40°C to + 100°C
Color	Black
Hardness Shore A (DIN 53505)	ca. 62
Tensile strength [N/mm ²] (ISO 37 DIN 53504)	ca. 230
Elongation at break [%] (ISO 37 DIN 53504)	ca. 3.0
Curing thru volume [mm] (24h - 23°C und 50% RH)	ca. 3.0
Density [g/cm ³] (23°C und 50% RH)	ca. 1.44
Elastic modulus at 100% [N/mm ²] (ISO 37 DIN 53504)	ca. 2.5
Tear strength [N/mm] (ISO 34-1)	ca. 7.4

Storage

Store in the original packaging (unopened container) for 12 months between 10°C and 25°C in a cool, dry place. The storage temperature should not exceed 25°C over a longer period of time. Keep away from damp rooms, direct sunlight and heat sources.