

AUTO GLASS ADHESIVE/SEALANT

FAST CURE, HIGH VISCOSITY

TECHNICAL DATA SHEET



Stock	Product	Color	Size
CUSF / 3010	Fast Cure Urethane Auto Glass Adhesive/Sealant	Black	310 mL / 10.5 fl oz U.S.

DESCRIPTION:

Fast Cure Urethane Auto Glass Adhesive/Sealant is a high viscosity one-component polyurethane based sealant which cures by exposure to ambient humidity. It is designed for windshield and side window bonding on vehicles with or without airbags in the automotive industry. The high viscosity formula typically does not require the use of dam materials during the windshield replacement process.

FEATURES:

- Meets FMVSS 212
- Fast curing, cold applied
- Non-sagging, high viscosity formula

INSTRUCTIONS FOR USE:

Substrate preparation:

The substrate must be clean, even, dry, free of dust, oil, grease, and any contaminants that could harm bonding such as silicones or demoulding agents. All traces of poorly adherent paints or coatings should be systematically removed beforehand. Clean the substrates with methyl ethyl ketone (MEK) or acetone. Check the compatibility of the solvent used with the substrate. Allow the substrates to dry after degreasing. If necessary, apply a primer. Never use alcohol or a “fat” solvent like white spirit to clean the windshield, the body, or the old sealant. Rub down any rusted metal areas. Any exposed bare metal areas of the body must be cleaned with acetone or heptane before applying a suitable primer. In the case of a windshield replacement, it is not necessary to completely remove the old sealant: simply trim it off, leaving a 1 to 2 mm thickness. There is no compatibility problem applying fresh polyurethane sealant on old polyurethane sealant. Note: when using solvents, extinguish all sources of ignition and carefully follow the safety and handling instructions given by the manufacturer or supplier.

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TYPICAL PROPERTIES:

Appearance	Thixotropic paste
Color	Black
Density at 20°C, g/mL	1.23 ± 0.02
Sagging (ISO 7390)	None
Application Temperature	5 to 35°C
Skin Formation Time (23°C, 50% RH)	25 to 40 minutes [1]
Cure Time (23°C, 50% RH)	> 3.2 mm/24 h (>1/8 inch per 24 h) [1]
Final Shore A hardness	60 to 65 after 14 days @ 23°C, 50% RH
Shear Resistance after 14 days @ 23°C, 50% RH [Ford SAE J 1529]	> 3.5 MPa (> 500 psi)
Temperature resistance (cured)	-40°C to +90°C
Water and salt spray resistance	Excellent
Tensile Strength (ISO 37)	Ca. 7.5 MPa (1090 psi)
Elongation at break (ISO 37)	> 700%
Tear Strength (ISO 34)	Ca. 30 N/mm
U.S. Federal Motor Vehicle Safety Standard 212 (FMVSS)	Passes crash test with dual security airbags after 2 hours at 23°C and 50% RH
Packaging	310 mL / 10.5 fl oz U.S. metal cartridge

[1] Times stated are at 73°F (23°C). Times may vary depending on humidity level, temperature and air flow. In order to ensure good adhesion, it is mandatory to complete the bonding assembly before the product has formed a skin. For application at lower temperatures (between 5 and 15°C), the drying times must be doubled.

INSTRUCTIONS FOR USE:

Caulking:

Dominion Sure Seal Fast Cure Urethane Auto Glass Adhesive/Sealant can be applied by a manual or pneumatic gun. Use of a triangle-shaped bead is recommended. This is determined by the shape of the nozzle. The windshield must be applied and pressed before the product has formed its skin. This product should be used within 24 hours of opening the cartridge; otherwise, the sealant could harden inside. If applied in cold weather, store the packaging at about 20 °C before use. Do not apply on silicones or in the presence of cured silicones. Avoid contact with alcohols and solvents during curing. Do not apply at a temperature below 5°C.

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INSTRUCTIONS FOR USE:

Cleaning:

Tools should be cleaned with methyl ethyl ketone (MEK) or acetone before the sealant has completely cured. After curing, abrasion is necessary.

STORAGE AND HANDLING:

The product should be stored in the original, hermetically sealed cartridges between 5 and 25°C. The packaging must be protected from direct sunlight and heat. Store in a cool and moisture free environment.

SAFETY PRECAUTIONS:

Contains isocyanates and petroleum distillates. CAUTION: May cause an allergic reaction. May cause eye and skin irritation. May be harmful if inhaled. Use under well-ventilated conditions. Avoid eye contact and prolonged contact with the skin. In case of eye contact, flush thoroughly with water for 15 minutes and get medical attention if irritation persists. In case of skin contact, gently wash with plenty of soap and water. If swallowed, seek medical advice immediately and show this container label. **KEEP OUT OF REACH OF CHILDREN.**

For more information, please see our latest safety data sheet.

All figures, recommendations and safety precautions are based on thorough investigations and our actual experience and are without engagement. Although the documentation has been set up with most carefulness, we do not accept any responsibility for mistakes, inaccuracies or printer's errors. We reserve the right to adjust the product, whenever we feel necessary. Because the design, the quality of the substrate and the conditions during application fall beyond our control, no responsibility for executed works can be accepted on the basis of this documentation. We therefore recommend to carry out own tests on the spot.
All our deliveries are subject to the General Terms and Conditions of Sale and Purchase of Dominion Sure Seal Ltd.