

Technical Data Sheet

General

Article number: 90673720

Description: Colad Fast Drive MS Windscreen Adhesive
1 Hour Drive Away Time



Specification:

High performance fast curing one-component SMP based (MS Polymer) windshield adhesive. Primerless and therefore quick. Can be used for bonding of windscreens, side and rear windows on diverse types of vehicles. Easy to apply by air gun or hand caulking gun. High initial tack and permanent elastic. Designed for a fast 1 hour drive away time for vehicles with airbags. TÜV and FMVSS 212 Tested. Free of isocyanates and solvents, so no health risks for the user. Low conductivity, can be used with integrated antenna's.

- Always read the Technical Data Sheet (TDS) and Material Safety Data Sheet (MSDS) before use, available on request or the website: www.colad.co/fastdrive-ms

Features and benefits:

- **Fast**
1 hour Drive Away Time. Less waiting time and fast release of the car. Allows 'change while you wait repairs'.
- **Safe**
Successfully crash tested following TÜV and FMVSS 212 regulations.
- **Strong**
Very high initial tack and extreme holding power with excellent sealing properties.
- **Primerless**
Primeless adhesion. Save time and money. You don't need to apply a black primer or activator as with the PU types adhesives. Skip one step. Safer, cheaper and with less labour time.
- **Environmentally friendly**
Odorless. No isocyanates, silicone and solvents. So it's safe for you and the environment. No specific storage regulations. No Hazard warning symbols required.

Product Characteristics:

- Fast application and curing.
- Low conductivity, can be used with integrated antenna.
- Permanent elastic.
- Very good UV resistance.
- Non-sag.
- Sound and vibration damping.
- Over-paintable wet on wet. With many water and solvent based paint. (preliminary tests recommended).

Application area

- Designed for bonding windscreens, side and rear windows to passenger cars, trucks, tractors and many other vehicles.

- Also suitable for structural elastic bonding and assembly of various materials exposed to high thermal and dynamic stress, in the transportation industry. For example: assembling of insulated panels; vibration-proof bonding and sealing on elements/materials made of steel, aluminum, wood, GRP and other plastics materials and painted surfaces in the, automotive OEM, transportation (coach, caravan, refrigerated vehicles, containers) and marine. (preliminary tests recommended, risk of a good bonding on diverse materials is at the end-user).

Standards

- Drive Away Time: 1 hour. With driver and passenger airbags. (Circumstances: -5°C to +40°C without primer.)
- Meets Federal Motor Vehicle Safety Standards, FMVSS 212.
- TÜV tested. Crash tested following TÜV regulations.

Compatibility:

After removing the window, the old adhesive should be cut to a remaining layer of ca. 1 mm with a sharp clean knife, the adhesive should be applied directly after the cutting step. This repair procedure is applicable for all types of OEM windscreen adhesives used. In case of doubt about the state of the surface to be bonded an adhesion test is always advised.

Preparation & Application

(The instruction given below provides a direction/example of the possible application steps)

Remove the window:

- After removing the window, the old adhesive should be cut to a remaining layer of ca. 1 mm with a sharp clean knife, the adhesive should be applied directly after the cutting step. This repair procedure is applicable for all types of OEM windscreen adhesives used. In case of doubt about the state of the surface to be bonded an adhesion test is always advised.
- This MS Polymer Adhesive do not need any (black) primer if a ceramic edge coating is being applied on the (new) window.
- Tip: Use a cleaner to achieve optimal adhesion. Preferred cleaner is an heptane based cleaner also an IPA based cleaner is possible (isopropyl alcohol).

Apply adhesive:

- Place the cartridge into a manual gun. (Or use a pneumatic air gun with telescopic piston).
- The surfaces to be treated should be clean, dry and free from rust, water, dust and grease.
- The surface must be of sound quality.
- Apply a triangular bead of the Adhesive to the edge of the glass or the windscreen body flange. Use the specially shaped nozzle. Keep the gun at a 90° angle with respect to the glass surface.
- The end of the adhesive beading must overlap the initial part by approx. 20 mm in order to avoid infiltrations.

Install the windscreen:

- The new windscreen must be placed in position within 8-10 minutes
- Remove any excess adhesive before it hardens

Tip: If the old adhesive has been removed completely:


Prepare both windscreen and vehicle frame with a black primer.

Tip: In the case that the coating on the vehicle window frame or the ceramic edge on the windscreen is damaged, a black Primer can be used.

Technical Specification

Always read the Material Safety Data Sheet (MSDS) before use. Available on the website: www.colad.co

Colour:	Black
Content:	Cartridge, 290 ml
Packaging Unit:	12 cartridges per carton
Store:	Cool and dry, between +5°C and +25°C. Temperature should not exceed 25°C for long periods of time. Keep away from wet areas, heat sources and direct sunlight.
Shelf life:	15 months (original packaging, unopened)

Type:	Silane-Modified Polymer (SMP/MS Polymer)
Curing Mechanism:	Moisture-curing
Curing through volume:	± 3,0 mm after 24 hours at 23°C and 50% r.h.
Shore A hardness:	± 52 (DIN 53505)
Density:	± 1,45 g/ml
Tack-free time:	± 15 minutes (23°C and 50% r.h.)
Elastic modulus at 100%:	± 2,2 N/mm ² (ISO 37 DIN 53504)
Tensile strength:	± 3,3 N/mm ² (ISO 37 DIN 53504)
Elongation:	± 258% (ISO 37 DIN 53504)
Application temperature:	+ 5 to + 40 °C
Temperature Resistance:	- 35°C / + 95 °C. With brief points at + 120°C
Related products of Colad	
Article number: 90675550 – Colad Universal (Caulking) Gun Manual	
<p>Disclaimer</p> <p>Technical Data Sheet & Material Safety Data Sheet; it is the responsibility of the user to read understands and apply the information of the TDS. The information about work and environmental safety is available on the material safety data sheet (MSDS) via www.colad.co. It is the responsibility of the user to read and apply the information.</p> <p>Products are for professional use. Necessary protective equipment and clothing should be worn. The repairs should always be done in accordance with the OEM rules and specifications. All information is for the user's consideration, investigation and verification. The specific use applications and conditions of use are beyond the control of EMM International B.V. It is the responsibility of the user to determine the suitability of any of the products mentioned for the user's specific application.</p>	
<p>Created by: EMM International BV Bohemenstraat 19, 8028 SB Zwolle, The Netherlands www.emm.com</p> <div style="text-align: center;">  </div> <div style="text-align: right;"> T +31(0)38 467 66 00 www.colad.co </div>	