

Technical Report No.: 61050 - 10 - TAC  
 Test method: FMVSS 212  
 Manufacturer / Order party: Adolf Würth GmbH & Co. KG  
 Reinhold-Würth-Strasse 12-17  
 D-74653 Künzelsau  
 Product under test: Glazing adhesive - Scheibenkleber MS3

**TECHNICAL REPORT**  
**No. 61050 - 10 - TAC**

Test according to  
**FMVSS 212**  
**Windshield mounting**

Test method: FMVSS 212 of --  
 including all amendments up to and including: of --

Objectives: Technical report

**I. Technical data**

- 0.1.1. Order party: Adolf Würth GmbH & Co. KG  
 Reinhold-Würth-Strasse 12-17  
 D-74653 Künzelsau
- 0.1.2. Manufacturer: Adolf Würth GmbH & Co. KG  
 Reinhold-Würth-Strasse 12-17  
 D-74653 Künzelsau
- 0.2. Specimen:
  - Scheibenkleber MS3 – Glazing adhesive
  - degreased via a glass cleaner
- 0.3. Test required: Frontal crash, 100% offset, 48km/h -  
 according to FMVSS 212.

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**II. Test report**

**1. Test conditions**

- 1.1. Test object: Windscreen glued to the vehicle Seat Cordoba by glazing adhesive.
- 1.2. Test procedures used: Vehicle Seat Cordoba with windscreen and two dummies Hybrid III was put through crash to the rigid barrier with speed 48 km/h according to FMVSS 212. Both frontal airbags were activated by timer device in time 28 ms after crash start time. Windscreen was glued 1 hour before the test.

**1.2.1. Interior status and adjustment:**



	<b>seat 1</b>	<b>seat 2</b>
torso angle	25°	25°
Longitudinal:	middle	middle
High adjustment	middle	-
Cushion tilt	-	-
Head restraint adjustment	uppermost	uppermost

**Dummies:**

Type:	H III	HIII
Measurement:	ballast	ballast

**Restraint system**

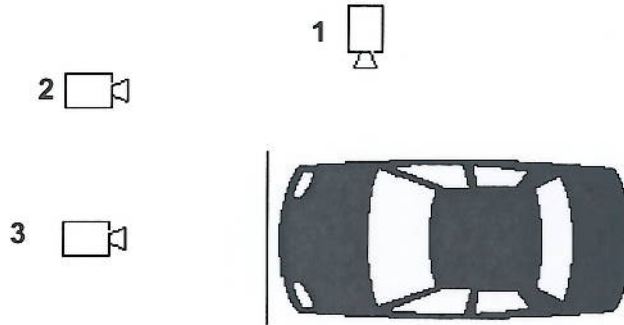
Type	three point belts Ar	three point belts Ar
Adjustment	middle	middle

**Steering wheel**

Longitudinal adjustment	-
Vertical adjustment	-

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1.2.3. Scheme of video shooting:



Pos	name	Fps
1	Total from the right	1000
2	Sideward from the right front	1000
3	Passengers from the front	1000

1.3. Measuring and test equipment:

- Propulsion system EPJ TÜV SÜD Czech
- Test trolley NV 03 – TÜV SÜD Czech
- 2x dummy H III
- Speedometer with reflex gauge
- Timer device TÜV SÜD Czech
- Hydraulic brake INOVA
- Deceleration Sensor Endevco

1.4. Ambient conditions:

see annex No. 3

1.5. Test track or site:

Passive safety laboratory TÜV SÜD Czech in Úhelnice.

2. Test results

Vehicle Speed	$v_0 = 48,22 \text{ km/h}$
Time of gluing windscreen	13:46 hod
Test time	14:46 hod

Course of deceleration on the tunnel rear – see annex No. 2

Time limit from gluing to test was fulfilled and was 1:00 hour.

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Czech

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3. Specimen submitted to test on: 13.07.2010

4. Date of test: 15.07.2010

### III. Enclosures

Enclosure No. 1: Chosen photos	1	page
Enclosure No. 2: Course of deceleration on the tunnel rear	3	pages
Enclosure No. 3: Ambient conditions	1	page

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Results presented above have been measured/found in the laboratory of TÜV SÜD Czech s.r.o. and relate only to items tested. Measuring and test equipment and test site meet requirements of the applicable legislation.

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### IV. Final confirmation

The described sample

**comply**

with the requirements of the test method

FMVSS 212, paragraph S5.1

This technical report consists of pages No. 1 to 4 and 5 total pages of enclosures

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Ing. Rudolf Tesárek

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In Úhelnice, 21.07.2010

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