

Technical Expertise No.: 120160 – 22 – TAC  
Test method: FMVSS 212  
Manufacturer / Order party: Saint-Gobain Surface Solution, France  
Product under test: MS RAPID 60



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## **TECHNICAL EXPERTISE**

### **No. 120160 – 22 – TAC**

Test according to  
FMVSS Standard No. 212; Windshield mounting

**This standard establishes windshield retention requirements for motor vehicles during crashes.**

Test method: FMVSS 212 of 1968-08-16  
including all amendments up to and including: FMVSS 212 of 2018-10-01

Objectives: Document for the manufacturer

#### **I. Technical data**

- 0.1.1. Order party: Saint-Gobain Surface Solutions  
251 rue de l'Ambassadeur  
78700 Conflans  
France
- 0.1.2. Manufacturer: Saint-Gobain Surface Solutions  
251 rue de l'Ambassadeur  
78700 Conflans  
France
- 0.2. Product under test: MS RAPID 60
- 0.3. Test required: Test of the windshield mounting according to  
FMVSS 212

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## II. Test report

### 1. Test conditions

- 1.1. Test (vehicle) sample: Skoda Fabia with the new windshield glued by MS RAPID 60
- 1.2. Test procedures used: Test of the windshield mounting according to FMVSS 212
- 1.5. Test track or site: Test laboratory TÜV SÜD Czech - ŠKODA Úhelnice, Czech Republic

### 2. Test results

The adhesive bond was tested under the following conditions:

- Impact speed of the vehicle  $v_0 = 48,1$  kph
- Frontal crash,  $0^\circ$ , 100% offset
- Temperature  $20,4^\circ\text{C}$
- Humidity 42%
- Vehicle equipped with frontal airbags (activated by timer device)
- On each front seat was belted 50% H III-dummy
- Windscreen was glued 60 minutes before the test

#### 2.1. Conclusion:

The windshield stayed on its place during and after the impact. Perimeter of the windshield: 4105mm, Limit: 1026mm (each side of the windshield). During the passenger airbag activation there was small gap (less than 200 mm) between the windshield and the windshield frame, but it doesn't influence the positive result of the test.

4. Date of expertise: 2022-02-02

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**III. Other documentation**

No other documentation

**IV. Attachments**

No attachments

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Measuring and test equipment and test site meet the requirements of the applicable legislation. This report must never be reproduced incomplete and without a written permission of the testing laboratory.

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**V. Final assessment**

The described sample  
**complies**  
with the requirements of FMVSS 212

This technical report consists of pages No. 1 to 3.

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Prague, 2022-02-03

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End of the technical report