

Technical Expertise No.: 121005 – 24 – TAC
Test method: FMVSS 212
Manufacturer / Order party: Den Braven czech and Slovak a.s., Czech Republic
Product under test: TECFLEX 60



Czech

1/3

**TECHNICAL EXPERTISE
No. 121005 – 24 – 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: Den Braven Czech and Slovak a.s.
793 91 Úvalno 353
Czech Republic
- 0.1.2. Manufacturer: Den Braven Czech and Slovak a.s.
793 91 Úvalno 353
Czech Republic
- 0.2. Product under test: TECFLEX 60
- 0.3. Test required: Test of the windshield mounting according to
FMVSS 212

Technical Expertise No.: 121005 – 24 – TAC
Test method: FMVSS 212
Manufacturer / Order party: Den Braven czech and Slovak a.s., Czech Republic
Product under test: TECFLEX 60



Czech

2/3

II. Test report

1. Test conditions

- 1.1. Test (vehicle) sample: Skoda Fabia with the new windshield glued by TECFLEX 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° , 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 then 200 mm) between the windshield and the windshield frame, but it doesn't influence the positive result of the test.

4. Date of expertise: 2024-05-06

Technical Expertise No.: 121005 – 24 – TAC
Test method: FMVSS 212
Manufacturer / Order party: Den Braven czech and Slovak a.s., Czech Republic
Product under test: TECFLEX 60



Czech

3/3

III. Other documentation

No other documentation

IV. Attachments

No attachments

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.

V. Final assessment

The described sample

complies

with the requirements of FMVSS 212

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

Jiří Maleček

TÜV SÜD Czech s.r.o.
Report author
Novodvorská 994/138
142 21 Praha 4
Czech Republic
DIČ: CZ63987121 - 38 -

Vít Bursík

Profit Center Manager



Prague, 2024-05-06

End of the technical report