



**Economic and Social  
Council**

Distr.  
GENERAL

TRANS/WP.29/970  
3 February 2004

ENGLISH  
Original: ENGLISH AND FRENCH

---

**ECONOMIC COMMISSION FOR EUROPE**

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations (WP.29)

DRAFT SUPPLEMENT 8 TO REGULATION No. 43

(Safety glazing)

Note: The text reproduced below was adopted by the Administrative Committee (AC.1) of the amended 1958 Agreement at its twenty-fifth session, following the recommendation by WP.29 at its one-hundred-and-thirty-first session. It is based on document TRANS/WP.29/2003/66, not amended (TRANS/WP.29/953, para. 111).

---

Paragraph 8.2.1.1. the title, amend to read:

"8.2.1.1. Safety glass panes . . . listed in the following table:"

Paragraph 8.2.1.1. the table, in the line "Resistance to chemicals", the reference to "A3/11" should be replaced by "A3/11.2.1" (seven times) (the references to footnotes remain).

Paragraph 8.2.1.2. the table, in the line "Chemical Resistance" and in the column "flexible plastics" replace "A3/11" by "A3/11.2.1".

Paragraphs 12.1. and 12.2., replace the reference to "Supplement 3" by "Supplement 8" (three times).

Annex 3,

Figure 2.1., amend the indication to "Damping ring" to read: "Damping ring (11)".

Paragraph 4.4., delete the words "laminated – glass".

Paragraph 4.4.3., the formula of "Td", amend to read:

$$"T_d = \frac{T_4 - T_3(T_2 / T_1)}{T_1 - T_3}"$$

Insert new paragraphs 11.2.1. to 11.2.3.2.2., to read:

"11.2.1. Immersion test

Two test pieces 180 x 25 mm shall be tested with each of the chemicals specified in paragraph 11.1. above, using a new test piece for each test and each cleaning product.

Before each test, test pieces shall be cleaned according to the manufacturer's instructions, then conditioned for 48 hours at a temperature of 23°C ± 2°C and a relative humidity of 50 per cent ± 5 per cent. These conditions shall be maintained throughout the tests.

The test pieces shall be completely immersed in the test fluid and held for one minute, then removed and immediately wiped dry with a clean absorbent cotton cloth.

11.2.2. Indices of difficulty of the secondary characteristics

	<u>Colourless</u>	<u>Tinted</u>
Colouring of the interlayer or of the plastics coating	1	2

The other secondary characteristics are not concerned.

11.2.3. Interpretation of results

11.2.3.1. The test for resistance to chemical agents shall be considered to have given a satisfactory result if the test piece does not exhibit any softening, tackiness, crazing or apparent loss of transparency.

11.2.3.2. A set of test pieces shall be considered satisfactory with regard to the test for resistance to chemical agents if one of the following conditions is met:

11.2.3.2.1. All the tests have given a satisfactory result;

11.2.3.2.2. One test having given an unsatisfactory result, a new series of tests carried out on a new set of test pieces has given a satisfactory result."

Paragraphs 11.2.1. to 11.4.2.2. (former), renumber as paragraphs 11.2.4. to 11.2.6.2.2.

Annex 5, replace in the footnote the value of "30 km/h" by "40 km/h".

Annex 9, paragraph 6., amend the reference to "paragraph 11." to read "paragraph 11.2.1."

Annex 10, paragraph 8., amend the reference to "paragraph 11." to read "paragraph 11.2.1."

Annex 11, paragraph 8., amend the reference to "paragraph 11." to read "paragraph 11.2.1."

Annex 15, paragraph 8.1., amend the reference to "paragraph 11." to read "paragraph 11.2.1."

Annex 16, insert a new paragraph 6.3.1. to read :

"6.3.1. Indices of difficulty and test method".

Annex 19, paragraph 4.4., the reference to footnote 1/ and footnote 1/, renumber as footnote 2/.

Annex 20,

Paragraphs 2.3.7.3., 2.4.4.3., and 2.6.3., amend the reference to "paragraph 11." to read "paragraph 11.2.1."

Insert a new paragraph 2.8.5., to read:

"2.8.5. Test of resistance to chemicals in accordance with annex 3, paragraph 11."

Insert a new paragraph 2.9.3., to read:

"2.9.3. Test of resistance to chemicals in accordance with annex 3, paragraph 11.2.1."

Insert a new paragraph 2.10.3., to read:

"2.10.3. Test of resistance to chemicals in accordance with annex 3, paragraph 11."

---