

Proposal for a Corrigendum to UN Regulation No. 43

The text reproduced below has been prepared by the expert from Germany to reintroduce

- 1) special type-approval tests and
- 2) special requirements regarding conformity of production to rigid plastic planes and rigid plastic double glazed units.

Further two corrections are proposed in deleting

- 3) a false approval mark and
- 4) references to tests in the table of tests to be applied to safety glazing.

The modifications to the current text of the Regulation are marked in bold for new or strikethrough for deleted characters. For the ease of reading the changes in the tables are highlighted in blue colour.

I. Proposal

1) Amend the table in paragraph 8.2.1.2 :

8.2.1.2. Plastic glazing materials shall be subjected to the tests listed in the following table:

	<i>Plastics other than windscreens</i>				
	<i>Rigid plastics</i>		<i>Double glazing</i>		<i>Flexible plastics</i>
<i>Test</i>	<i>Motorised vehicles</i>	<i>Trailers and unoccupied vehicles</i>	<i>Motorised vehicles</i>	<i>Trailers and unoccupied vehicles</i>	
Flexibility	A3/12	A3/12	A3/12	A3/12	A3/12
227 g ball	A14/5	A14/5	A16/5	A16/5	A15/4
Headform ¹	A14/4	-	A16/4	-	-
Light transmission ²	A3/9.1	-	A3/9.1	-	A3/9.1
Fire resistance	A3/10	A3/10	A3/10	A3/10	A3/10
Chemical resistance	A3/11.2.1	A3/11.2.1	A3/11.2.1	A3/11.2.1	A3/11.2.1
Abrasion	A14/6.1	-	A16/6.1	-	-
Weathering	A3/6.4	A3/6.4	A3/6.4	A3/6.4	A3/6.4
Humidity	A14/6.4	A14/6.4	A16/6.4	A16/6.4	-
Cross-cut ²	A3/13	-	A3/13	-	-

¹ Test requirements are dependent on the location of the glazing within the vehicle.

² Applies only if the glazing is to be used in a location requisite for driving visibility.

- 2) Annex 20
Paragraphs 2.8.5 and 2.10.3, amend to read:

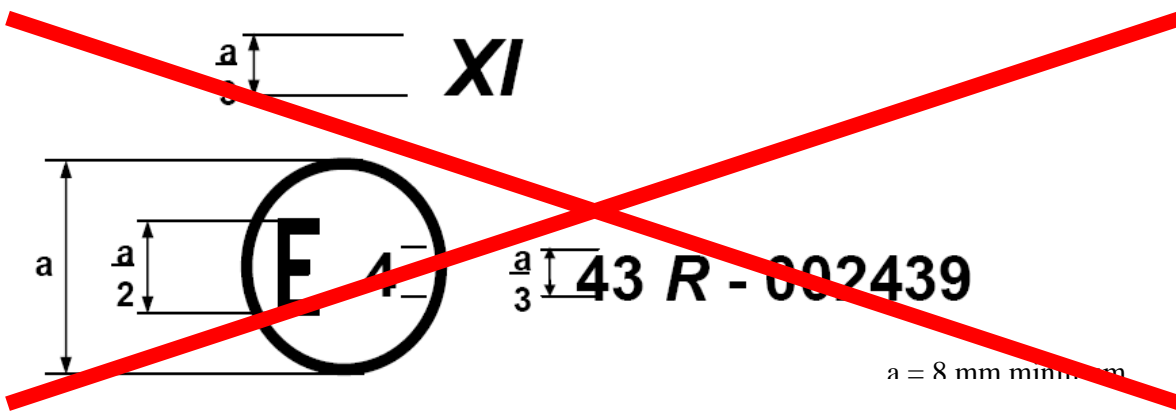
2.8. Rigid plastic panes

2.8.5. Test of resistance to chemicals in accordance with Annex 3, paragraph ~~11.2.1.~~

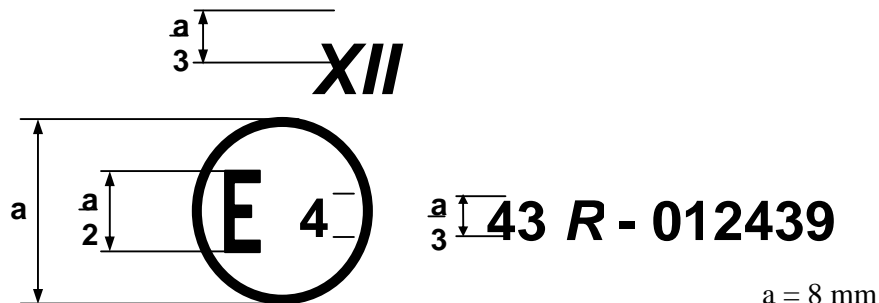
2.10. Rigid plastic double glazed units

2.10.3. Test of resistance to chemicals in accordance with Annex 3, paragraph ~~11.2.1.~~

- 3) Annex 2 (Arrangements of approval marks for components)
Approval mark for glass-plastic panes, delete the reference to the approval mark for the 00 series of the regulation:



Glass-plastic panes



The above approval mark affixed to glass-plastic pane, shows that the component concerned has been approved in the Netherlands (E4) pursuant to Regulation No. 43 under approval No. 012439. The approval number indicates that the approval was granted in accordance with the requirements of Regulation No. 43, as amended by the 01 series of amendments.

- 4) Amend the table in paragraph 8.2.1.1:

8.2.1.1. Safety glazing shall be subjected to the tests listed in the following table:

Tests	Windscreens						Glasspanes			
	Toughened glass		Ordinary laminated glass		Treated laminated glass		Glass-plastics	Toughened glass	Laminated glass	Glass-plastics
	I	I-P	II	II-P	III	III-P	IV			
Fragmentation:	A4/2	A4/2	-	-	A8/4	A8/4	-	A5/2	-	-
Mechanical strength										
- 227 g ball	-	-	A6/4.3	A6/4.3	A6/4.3	A6/4.3	A6/4.3	A5/3.1	A7/3 A7/4	A7/3 A7/4
- 2,260 g ball	-	-	A6/4.2	A6/4.2	A6/4.2	A6/4.2	A6/4.2	-	-	-
Headform test ¹	A4/3	A4/3	A6/3	A6/3	A6/3	A6/3	A10/3	-	- A7/3	- A11/3
Abrasion										
Outer face	-	-	A6/5.1	A6/5.1	A6/5.1	A6/5.1	A6/5.1	-	A6/5.1	A6/5.1
Inner face	-	A9/2	-	A9/2	-	A9/2	A9/2	A9/2 ²	A9/2 ²	A9/2
High temperature	-	-	A3/5	A3/5	A3/5	A3/5	A3/5	-	A3/5	A3/5
Radiation	-	A3/6	A3/6	A3/6	A3/6	A3/6	A3/6	-	A3/6	A3/6
Humidity	-	A3/7	A3/7	A3/7	A3/7	A3/7	A3/7	A3/7 ²	A3/7	A3/7
Light transmission	A3/9.1	A3/9.1	A3/9.1	A3/9.1	A3/9.1	A3/9.1	A3/9.1	A3/9.1	A3/9.1	A3/9.1
Optional distortion	A3/9.2	A3/9.2	A3/9.2	A3/9.2	A3/9.2	A3/9.2	A3/9.2	A3/9.2 ³	-	-
Secondary image	A3/9.3	A3/9.3	A3/9.3	A3/9.3	A3/9.3	A3/9.3	A3/9.3	A3/9.3 ³	-	-
Resistance to temperature changes	-	A3/8	-	A3/8	-	A3/8	A3/8	A3/8 ²	A3/8 ²	A3/8
Fire resistance	-	A3/10	-	A3/10	-	A3/10	A3/10	A3/10 ²	A3/10 ²	A3/10
Resistance to chemicals	-	A3/11.2.1	-	A3/11.2.1	-	A3/11.2.1	A3/11.2.1	A3/11.2.1 ²	A3/11.2.1 ²	A3/11.2.1

¹ Furthermore this test shall be carried out on double-glazed units pursuant to Annex 12, paragraph 3 (A12/3).

² If coated on the inner side with plastics material.

³ This test shall only be carried out on uniformly-toughened glass-panes to be used as windscreens of slow-moving vehicles which, by construction, cannot exceed 40 km/h.

Note: A reference such as A4/3 in the table indicates the annex (4) and paragraph (3) of that annex, where the relevant test is described and the acceptance requirements are specified.

II. Justification

1) The line “Chemical Resistance” of the table has to be modified according to the requirements of supplement 8 to the 00 series of the regulation. This line in the table by error has not been adopted in the way as indicated in suppl. 8 (TRANS/WP.29/970).

2) The paragraphs 2.8.5 and 2.10.3 in Annex 20 were modified according to the requirements of supplement 8 to the 00 series of the regulation. The reference in these paragraphs by error was not transposed as indicated in suppl. 8 (TRANS/WP.29/970).

3) It is proposed to delete the approval mark with the reference to the 00 series of the regulation as this drawing was kept by error in the document (see document ECE/TRANS/WP.29/2011/35).

4) In the table in paragraph 8.2.1.1. four changes were added. These changes by error have not been taken into consideration during the transposition of the GTR No. 6 into regulation no. 43 as foreseen in document ECE/TRANS/WP.29/2011/35.
