

Draft amendments to the 01 series of amendment to Regulation No. 43 (safety glazing)

I. Proposal

Modify:

~~"double glazing"~~ to read "**multiple glazing**" and
~~"double glazed unit"~~ to read "**multiple-glazed unit**"
in all paragraphs of Regulation No. 43.

Paragraph 2.8. to 2.8.2., amend to read:

- "2.8. ~~"Double glazed unit~~ **Multiple-glazed unit**" means an assembly of two **or more than two** panes permanently assembled in manufacture and separated by **a one or more** uniform gap(s).
- 2.8.1. ~~"Symmetrical double glazed unit~~ **multiple-glazed unit**" means a ~~double glazed unit~~ **multiple-glazed unit** where ~~the two~~ **all** component panes are identical (e.g., ~~both~~ **all** toughened glass).
- 2.8.2. ~~"Asymmetrical double glazed unit~~ **multiple-glazed unit**" means a ~~double glazed unit~~ **multiple-glazed unit** where **at least the** two component panes are not identical (e.g., ~~one is~~ **one is** toughened glass and ~~the other is~~ **the other is** laminated glass)."

ANNEX 12

Insert a new paragraph 1.1.2., to read:

"1.1.2. The number of component panes."

Renumber paragraphs 1.1.2., 1.1.3., 1.1.4., 1.1.5. (former) to read 1.1.3., 1.1.4., 1.1.5. 1.1.6.

Paragraph 1.1.5. (former 1.1.4.), amend to read:

"1.1.5. The nominal width(s) of the gap(s) between the two **or more than two** glass panes,"

Paragraphs 2.2., 3.4.1., 3.4.2.1., 3.4.3., 3.4.3.1, and 3.4.3.2., amend to read:

- "2.2. Tests carried out on ~~double glazed units~~ **multiple-glazed unit** having **one or more than one gap(s) with the nominal width a nominal width of gap 'e₁' (... 'e_n')**, shall be considered to be applicable to all double-glazed units having the same characteristics and a nominal width of **the gap(s) 'e₁ ± 3 mm' (... 'e_n ± 3 mm')**. However, the applicant for approval may submit for approval tests the sample having the smallest gap and the sample having the largest gap.
- 3.4.1. ~~Double~~ **Multiple** glazing consisting of two **or more than two** uniformly-toughened glass panes:
The test shall be considered to have given a satisfactory result if ~~both~~ **all** components break;
- 3.4.2.1. The ~~two~~ components of the test piece yield and break, displaying numerous circular cracks centred approximately on the point of impact;
- 3.4.3. ~~Double~~ **Multiple** glazing consisting of ~~a one~~ **one or more** uniformly-toughened glass pane(s) ~~and of a combined with one or more~~ laminated glass pane(s) or glass-plastics pane(s) other than windscreens:
- 3.4.3.1. The toughened-glass pane(s) break(s);
- 3.4.3.2. The laminated glass pane(s) or glass-plastics pane(s) yield(s) and break(s), displaying numerous circular cracks centred approximately on the point of impact; "

II. Justification

Multiple-glazed units as assembly of more than two panes can not be approved within the range of the current Regulation No. 43.

Especially with regard to Trailer Caravans and Motor-Caravans with excessive thermal insulation for use in harsh climate there is some demand for multiple-glazed units as an assembly of more than two panes.

These units will offer the same advantages with respect to insulation as similar units do in the building sector.

Furthermore it is recommended to modify "double glazing" in "multiple glazing" and "double-glazed unit" in "multiple-glazed unit" in all paragraphs of Regulation No. 43 to give a clearer impression of what is meant and to be in line with international standards.