

Suggestion for amendment of UN Regulation No. 118 (Burning behaviour of materials)

BMFE Informal Working Group (IWG) is in charge to evaluate and develop the opportunity for regulatory amendment(s) aimed at increasing the safety of M2 and M3 vehicles in case of fire by improving their general construction with regard to evacuation time.

In this work and according to UN Regulation n°118, amendment of the following items have been considered : influence of adhesive agents and relevancy of toxicity specifications. Associated transitional provisions are included in the proposal.

The modifications to the current text of UN Regulation n°118 are marked in bold for new characters.

Influence of adhesive agents

I Proposal

Annex 2, insert new item 5. and 5.1. to read:

- “**5. Adhesive agents**
- 5.1. In cases where adhesive agents are used to affix the material to supporting structures or bonding materials together, list of the adhesive agents that can be used without deterioration of the burning behaviour of the material(s): ...“**

Part I, insert new paragraph 5.2.4.1. and 5.2.4.2. to read:

- “**5.2.4.1 Single materials fulfilling the relevant requirements of paragraphs 6.2.1. to 6.2.7., that are bonded together by an adhesive agent not exacerbating the burning behaviour are considered to fulfil the requirements as a composite material.**
- 5.2.4.2. If an adhesive agent, that is not declared in Annex 2, paragraph 5.1. to not deteriorate the burning behaviour of the interior material is used to affix the interior material to its supporting structure, such material shall be tested in combination with the adhesive agent and a possible supporting structure.”**

II Justifications

In order to clarify the installation requirements of paragraph 5.2.4., stating that adhesives shouldn't exacerbate the established burning behaviour of materials/components, the manufacturer of the component/material should list which adhesives is to be used for installation purposes. After physical evaluations of burning behaviours, no general trend can be expected regarding the influence of such adhesive agent. References by the manufacturer to the only categories of agents that can be used seems to be the best opportunity to control this installation.

Relevancy of toxicity specifications

I Proposal

Under documentation.

II Justifications

Transitional provisions

I Proposal

Insert new paragraphs from 12.15. to 12.18., to read:

- “12.15. As from the official date of entry into force of the 04 series of amendments, no Contracting Party applying this Regulation shall refuse to grant or refuse to accept type-approvals under this Regulation as amended by the 04 series of amendments.**
- 12.16. As from 1 September [2022], Contracting Parties applying this Regulation shall not be obliged to accept type-approvals of vehicle or component to the preceding series of amendments, first issued after 1 September [2022].**
- 12.17. Until 1 September [2024], Contracting Parties applying this Regulation shall accept type-approvals of vehicle or component to the preceding series of amendments, first issued before 1 September [2022].**
- 12.18. As from 1 September [2024], Contracting Parties applying this Regulation shall not be obliged to accept type-approvals of vehicle or component issued to the preceding series of amendments to this Regulation.”**