

Economic and Social Council

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Economic Commission for Europe

Inland Transport Committee

Working Party on the Transport of Perishable Foodstuffs

Seventy-ninth session

Geneva, 25–28 October 2022 Item 5 (a) of the provisional agenda **Proposals of amendments to ATP:**

Pending proposals

Proposed amendments to annex 1, appendix 2, paragraph 7.3.7

Transmitted by the Government of France

Revision

Summary

Executive summary: Proposal to supplement annex 1, appendix 2, paragraph 7.3.7 with a

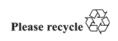
restriction on the use of some types of internal dividing walls

Action to be taken: Supplement annex 1, appendix 2, paragraph 7.3.7

Related documents: None.

Introduction

- 1. Annex 1, appendix 2, paragraph 7.3.7 refers to the thermal losses through internal dividing walls for which only two types are represented, by the terms "Longitudinal" and "Transversal".
- 2. The technological solutions offered by body manufacturers to meet the needs of carriers are not fully represented by these terms, which may be open to interpretation.
- 3. The purpose of this proposal is to introduce a characterization for movable dividing walls used in multi-temperature transport and to supplement annex 1, appendix 2, paragraph 7.3.7 in addition to the proposal made in ECE/TRANS/WP.11/2022/3.





I. Proposal

4. Introduce a notion of restriction in annex 1, appendix 2, 7.3.7:

"7.3.7 Internal dividing walls

"For multi-temperature, multi-compartment transport, only fixed and insulated dividing walls and/or mobile and insulated dividing walls are allowed.

In addition, these dividing walls must meet the following criteria.

Thermal losses through internal dividing walls shall be calculated using the K coefficients in the following table.

	K coefficient $-[W/m^2.^{\circ}C]$		Minimum insulation thickness
	Fixed	Moveable	[mm]
Longitudinal – alu floor	2.0	3.0	25
Longitudinal – GRP floor	1.5	2.0	25
Transversal – alu floor	2.0	3.2	40
Transversal – GRP floor	1.5	2.6	40

K coefficients of movable dividing walls include a safety margin for specific ageing and unavoidable thermal leakages.

For specific designs with additional heat transfer caused by additional thermal bridges compared to a standard design, the partition K coefficient shall be increased.

The dividing wall(s) shall consist of a laminated sandwich panel and smooth surfaces.

In the case of a movable dividing wall, the wall must be fitted out with a locking mechanism to ensure that it is maintained in a vertical or horizontal position throughout the use of the equipment."

II. Impact

Cost: No impact.

Environment: No impact.

Feasibility: The proposed amendment can easily be implemented in ATP.

A transitional period is not needed.

Enforceability: No problems are expected.

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