



Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals

Sub-Committee of Experts on the Transport of Dangerous Goods

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Item 6 (b) of the provisional agenda

Miscellaneous proposals for amendments to the Model Regulations on the Transport of Dangerous Goods: Packagings, including the use of recycled plastics material

Revision of standard ISO 535:2014

Transmitted by the expert from Spain

Introduction

1. In July 2021, the Subcommittee agreed to amend the version of standard ISO 535 to reference the last version available (ISO 535:2014), following a proposal from Spain (INF.4 of the 58th session). The Cobb method is a method of determining water absorptiveness, which is referenced in 6.1.4.12.1, 6.5.5.4.16, 6.5.5.5.3 and 6.6.4.4.1.
2. In 2023 a revised version of the standard was published, namely "ISO 535:2023 Paper and board – Determination of water absorptiveness – Cobb method".
3. The revised version of ISO 535:2023 incorporates several modifications compared to the 2014 version. Most of them do not affect the specifications referenced in 6.1.4.12.1, 6.5.5.4.16, 6.5.5.5.3 and 6.6.4.4.1, such as a better definition of the roller for drying, the inclusion of the test time of 600 s or expressing the range for removing the water in the 1800 s test as (1785 ± 30) s instead of "between 1755 and 1815".
4. However, there are other modifications to be considered:
 - (a) Rejection of test pieces: the reasons for rejection of test pieces are better described, as reasons due to the nature of the tested material, such as water leaking from the test area or water penetration through the test pieces, but also due to test performance failures, such as too much or too little cylinder pressure in the Cobb apparatus or wetting of the specimen outside the test area during handling.
 - (b) Drying of corrugated board test pieces: the corrugated board is dried by passing the roller with the axis parallel to the glue lines (as in previous version of the standard, but a figure is included to avoid mistakes.
5. It would be better to refer to the latest version of the standard, and therefore the expert from Spain proposes to amend the corresponding paragraphs to update the version of standard ISO 535, as shown in paragraph 6 below.



Proposal

6. Replace in 6.1.4.12.1, 6.5.5.4.16, 6.5.5.5.3 and 6.6.4.4.1 the reference to “ISO 535:2014” by “ISO 535:2023”.
