



Cargo Securing – Testing Service





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The logistics and transportation industries and the European standardisation committees have been working hard to improve the current standards related to cargo safety.

This is particularly true since the European Directive 2014/47/EU came into effect, regulating the technical roadside inspection of the roadworthiness of commercial vehicles circulating in the EU from May 2018.

The goal continues to be increasing transport safety and accomplishing the **zero fatalities objective**.

The text also contains a 'Roadmap to a Single European Transport Area — Toward a competitive and sustainable policy', another high priority for EUMOS (European Safe Logistics Association). This European Directive 2014/47/EU indicates that any company and industrial vehicle that distributes products on the road, as well as transportation companies that provide this service, must assure that the load is packaged and secured in a way that resists any acceleration or deceleration caused while the vehicle is on the road. **Included in this directive is the EUMOS 40509 test method**, which serves the purpose of guaranteeing the cargo's safety and rigidity, with the intention of continuing to improve transport safety. The EUMOS 40509 method has been updated in 2020.

Mobile EUMOS 40509 Load stability testing



This review has been elaborated by the highest-level experts in Europe, a group where each member has brought in their individual expertise from different perspectives in order to ensure the greatest possible safety.

The EUMOS 40509 testing method, included in Directive 2014/47/EU, is a dynamic testing system that can be used to evaluate the rigidity and safety of a load that is subjected to horizontal accelerations and decelerations such as the ones experienced during road transportation. It is therefore a testing method that is aimed at various organisations within this industry:

- Packaging laboratories: the standard is the only way for laboratories to inform their clients that their product packaging system complies with current legislations. Directive 2014/47/EU specifies the testing values that need to be fulfilled while applying the EUMOS standard.
- Palletised product manufacturers: they are responsible for ensuring that the transported product complies with current legislations and may be penalised if they don't.
- Cargo securing experts: Directive 2014/47/EU takes the EUMOS standard as a reference for cargo securing. □
- Roadside cargo safety inspectors: government law enforcement members throughout Europe have the obligation of ensuring compliance with the law. This includes Directive 2014/47/EU, which relies on the EUMOS standard when defining many of its requirements.



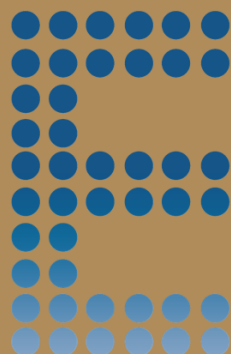
Benefits of this test method

The EUMOS 40509 standard presents many advantages for freight transport companies, which include:

- Evaluation of the rigidity and safety of a load that is subjected to horizontal accelerations and decelerations.
- Compliance with European Directive 2014/47/EU.
- Cost reductions resulting from package shrinkage.
- Contribution to a higher road transport safety.
- Packaging optimisation.
- Material waste prevention



For all these reasons, it is recommended for companies who intend to work across Europe transporting goods to have a simulation machine that complies with the EUMOS 40509 standard, or to hire the services of a laboratory that specialises in this type of test.



EUMOS

European
Safe
Logistics
Association

Benefits of this test method

CS-TS execute tests according to the Eumos 40509 method at your company.

This provides the following benefits

- No pre- and post-transport of each loading unit to a test lab
- Possibility to adjust if initial results are insufficient
- During testing, wrapping stretch or shrink sleeves and strapping can be optimised
- Support from your packaging supplier

CS-TS delivers an "EUMOS 40509" transport-safe certificate for each packaging unit that meets the various parameters of the test.

This allows control authorities to demonstrate that your loading unit meets the legal standard requirements during traffic checks on public roads.

This can also be used to rule out any dispute in the event of transport damage.

Test safe transport units at your company



Contact us