

Testing and certification of transport packaging



**Do you need to know if your
packaging is suitable for material
you need to transport?**

**We offer you testing and
certification of all types of transport
packaging.**

Our work is grounded
in the authorisation
of the Ministry of Transport
and certification in transport
packaging for dangerous
goods and the relevant
accreditation.

Packaging designed for dangerous goods, in which our service is the most specialized, is very diverse in shape and material used in its production. Their properties are precisely defined in the international regulations for the packaging and transport of dangerous goods. They must conform with the prescribed requirements.

Each design type of packaging has its own code, which characterizes it in its blueprint, and is subsequently a part of the so-called **UN CODE**, which indicates successfully tested design types of packaging for dangerous goods.

Qualitative parameters of packaging materials and packaging of dangerous goods

Qualitative parameters of the packaging materials and packaging of dangerous goods are accurately outlined in the international treaties and conventions on the transport of dangerous goods, to which the Czech Republic has acceded its signature, and which are binding for the testing of packaging for dangerous goods.

These include:

- Regulation concerning the International Carriage of Dangerous Goods by Rail (RID),
- European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR),
- International Maritime Dangerous Goods Code (IMDG Code),
- International Air Transport Association - Dangerous Goods Regulations (IATA DGR), and
- International Carriage of Dangerous Goods by Inland Waterways (ADN).

What we consider to be a hazardous item

- chemical substances and chemicals,
- dangerous waste, and
- dangerous products that can, by their properties, threaten the health and lives of people and negatively affect the surrounding environment.

Hazardous items also have hazard classes:

Class 1 Explosive substances and articles

Class 2 Gases

Class 3 Flammable liquids

Class 4.1 Flammable solid substances, self-decomposing substances and desensitized solid explosives

Class 4.2 Substances prone to spontaneous combustion

Class 4.3 Substances which, in contact with water, emit flammable gases

Class 5.1 Flame retardants

Class 5.2 Organic peroxides

Class 6.1 Toxic substances

Class 6.2 Infectious substances

Class 7 Radioactive substances

Class 8 Corrosive substances

Class 9 Miscellaneous hazardous substances and articles

The issuance of methodological guidelines

In accordance with these international laws and their mandatory requirements, technicians in the CIMTO Ltd. testing laboratory adhere to a strict methodology. This is also created in accordance with applicable technical standards, which go hand in hand with international regulations, but they have a more detailed technical nature. On the basis of the compiled methodology, the individual packaging is then tested. A list of valid tests, which are used for the initial packaging, is an integral part of the annex of the accreditation certificate.

Packages are grouped as follows:

Packing Group I:

Great Danger - high hazard level

Packing Group II:

Medium Danger - medium hazard level

Packing Group III:

Minor Danger - low hazard level

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