

**RUBBER FLOORING**

Certificate NO.: CZ 007335-1 BY EN ISO 9001:2016 AND CZ 007336-1 BY EN ISO 14001:2016

## Technical Terms of Acceptance BELT-6/06

### Rubber flooring

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### 1. General Information

- 1.1. These Technical Terms of Acceptance are mandatory for both suppliers and consumers of rubber carpets.
- 1.2. They are mandatory for production, ordering, delivery and use.
- 1.3. Rubber carpets are produced in black colour and can be of the following types:
- Pebble texture + smooth bottom side
  - Pebble texture + pattern
  - Double-sided pattern
  - Pattern + smooth bottom side <sup>1</sup>
  - Rhomb surface + smooth bottom side

Rubber carpets are manufactured and delivered with the following specifications:

Thickness (mm)	Width (mm)	Mass (kg/m <sup>2</sup> )
6	1000, 1200, 1250, 1650, 1750, 1800, 2000	8,40
8	1000, 1250, 1300, 1400, 1450, 1500, 1650, 1750, 1800, 1850, 2000	11,20
10	1250, 1500, 1650, 1800, 2000	14,00
14	1250, 1500, 1650, 1800, 2000	19,60

<sup>1</sup> For thickness up to 8 mm all sizes available, the rest upon request.

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Carpets with rhomb surface can be produced either 7 mm thick and 1200 mm wide or 10 mm thick and 1200 mm wide. Minimal length is 10m and maximal length is 30 m in one roll.  
Rubber slabs with rhomb surface can be produced with the following dimensions: 1200\*1800 mm \* 15 mm and 1000\*1430 mm \* 18 mm.  
Rubber shapes can be produced based on drawings you provide.  
Rubber carpets are produced in length up to 100 m for thickness up to 8 mm (inclusive)<sup>2</sup>. For thicknesses above 8 mm - up to 50 m long.<sup>3</sup>

(ČSN ISO 3302-2:1998 Rubber - Tolerances for products - Part 1: Geometric Tolerance)

Other standards used: ISO 1101:1983, ISO 2230:1973, ISO 4648:1991

## 2. Technical Requirements

- 2.1. Rubber carpets are made of compound B-024/99 for all-purpose use, their physical and mechanical properties are listed below:

Strength (MPa)	min. 4,8
Ductility (%)	min. 170
Hardness (°Sh )	65 +/- 5
Specific weight (g/cm <sup>3</sup> )	1,39 +/- 0,03

- 2.2. Dimension tolerance of rubber carpets, or shapes made of them, is based on the standard DIN 7715, part 5, accuracy class P2. An average deviation is determined by 5 independent measurements:

Nominal size range in mm	Acceptable deviation class P2
0-1,6	+/-0,2 mm
> 1,6-4	+/-0,3 mm
>4-6,3	+/-0,4 mm
>6,3-10	+/-0,5 mm
>10-25	+/-0,6 mm
>25-40	+/-0,8 mm
>40-63	+/-1,0 mm
> 63-100	+/-1,2 mm
>100-160	+/-1,4 mm
>160-250	+/-1,6 mm
>250-400	+/-2,5 mm
>400	+/-0,8 %

## 3. Marking

- 3.1. Each roll is marked in the accompanying documentation and the delivery note.

<sup>2</sup> The manufacturer recommends the length of 30 m due to the properties of rubber carpets.

<sup>3</sup> The manufacturer recommends the length of 30 m due to the properties of rubber carpets.

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- 3.2. The delivery note provides basic parameters of the product, based on these technical terms of acceptance.
- 3.3. There is a certificate attached, according to ČSN EN 10 204, unless otherwise is stated in the contract. [Inspection Certificate 3.1 according to ČSN EN 10204: 2005 / August - Declaration of compliance with the order and specification of the results of tests carried out under a specified control. The manufacturer`s authorized representative is independent of the production units.](#)
- 3.4. According to a special legislation<sup>4</sup>, the product provides information needed for identification of the manufacturer and the product (or product batch), in accordance with § 5, paragraph 1 point b) law 102/2001 Sb. and paragraph 2.
- 3.5. Declaration of compliance (in terms of the law No. 22/1997 Sb., as amended) is stated in the [chapter 9](#).

## 4. Storing

- 4.1. Storing. By ČSN 63 0001 Rubber products. Storing and treatment of rubber and rubber products. (DIN 7716)

## 5. Packaging and Delivery

- 5.1. Carpets are wound on wooden reels (diameter: 300mm), which are connected with wooden slats. Carpets wound with the surface down; the rolls are tied up.
- 5.2. Rubber slabs are either loaded on pallets or packed and tied up.
- 5.3. Wraps meet the requirements specified in § 3 and 4 of the law 477/2001 Sb.<sup>5</sup>
- 5.4. Delivery is carried out according to the agreement with the customer.
- 5.5. The supplier of rubber carpets is involved in the EKO-KOM system and has an agreement with the authorized packaging company EKO-KOM in order to fulfil statutory obligations in terms of package use and recycling. Client No. EK-F00050076.

## 6. Check and Claims

- 6.1. The supplier and/or the manufacturer check the products visually, check the dimensions and physical and chemical properties according to standard operating procedures.
- 6.2. Final check is required before a product is sent to the customer.
- 6.3. Final check is independent of production.
- 6.4. Carpets can be returned only if they were used for recommended purposes and the conditions for their installation were complied.
- 6.5. Mechanically damaged carpets cannot be returned.
- 6.6. Product quality is guaranteed by Quality Management System, based on the Certificate ISO 9001:2000 (certificate number CQS 2156/2003, date 31.8.2003), which is annually verified by an audit CQS Prague by a certificate of Quality Management System.
- 6.7. Inspection certificate, according to the point **3.1.** of the standard **ČSN EN 10204** "Types of inspection documents", may be issued upon request. Inspection certificate is issued by a department independent of the production units and is certified by an authorized representative independent of the production units.

<sup>4</sup> Commercial code, law No. 123/2000 Sb., regulation No. 181/2001 Sb., as amended in the regulation No. 336/2001 Sb., regulation No. 191/2001 Sb., as amended in the regulation No. 337/2001 Sb., and regulation No. 286/2001 Sb. (3) Marking means labeling the product.

<sup>5</sup> 477/2001 Novels: 274/2003 Sb. changing 1.10.2003, 94/2004 Sb. changing 3.3.2004, 237/2004 Sb. cancelling THE 5TH PART 1.5.2004, 257/2004 Sb. changing 1. 5.2004

**RUBBER FLOORING****7. Utilization and Product Safety (General Product Safety Act <sup>6</sup>)**

- 7.1. Rubber carpets create thermally insulated surface and are used for example in dogs kennels, stables for horses and cattle and for their transportation.
- 7.2. They are also suitable for manufactories, where heat and sound insulation is required.
- 7.3. Carpets are slip resistant, durable and easy to clean. Water can be used for cleaning. Adding a bit of detergent in water helps cleaning. Organic solvents or detergent solutions based on light gasoline fraction are not suitable for cleaning, as they may damage the product.
- 7.4. Rubber shapes can be produced based on required dimensions or drawings you provide. Cutting does not affect carpets features.
- 7.5. The product is safe when used for intended purpose.
- 7.6. The manufacturer will provide recommendation about carpets thickness and design to best suit an intended purpose.
- 7.7. The safety of products was assessed based on current state of science and technology and many years of experience with similar rubber products. No risk that the use of the product may cause was found according to a test. The results of the test are available upon request.
- 7.8. These technical terms of acceptance also serve as an accompanying documentation. It provides necessary information, such as basic physical and mechanical properties, method of use and so on, in accordance with § 3, paragraph 1, point a) and other of the law No. 102/2001Sb., as amended.
- 7.9. Unless the manufacturer assigned otherwise, exposing the product to temperatures above 65 °C is not recommended, as it may lead to a damage.
- 7.10. After the end of its service life, the product can be recycled in a device suitable for rubber waste.
- 7.11. Package waste, such as wooden pallets or reels, is not impregnated with any harmful and/or hazardous substances and thus can be energetically used. Vide infra:
- ČSN EN 13427 Package - Requirements for the use, European standards for packaging and package waste; August 2001
- ČSN EN 13429 Package - Reuse; September 2001
- ČSN EN 13430 Package - Requirements for packaging suitable for recycling; September 2001
- ČSN 77 0053 Package - Package waste - Instructions and information for treatment of used package; March 2002
- ČSN 77 0052-2 Package - Package waste. Part 2: Identification marking of packages for utilization of package waste; March 2002
- ČSN EN 13431 Package - Requirements for packaging usable as a source of energy, including minimal inferior calorific value
- 7.12. The product after the end of its service life must not be burned in local heaters or other similar small combustion sources. Black smoke is generated during combustion. It contains hydrocarbons, soot-based compounds and other compounds which are used in rubber manufacture. Dangerous hydrocarbons CxHy get released as well. The product does not emit volatile organic compounds in terms of 355/2002Sb. or 509/2005Sb. Emission of radiation or other emissions were not analyzed or identified. No residual risk was found in terms of OHSAS, if basic safety practices specified by § 132aZP are complied.
- 7.13. No risks that the use of the product may cause to consumers (especially children and people with reduced mobility and orientation) were found on a safety test (§ 3, paragraph 1, point a) of the law 102/2001Sb.).
- 7.14. The product does not affect other products under normal use.

<sup>6</sup> Law No. 348/2004Sb. full text of THE LAW No. 102/2001 Sb., about general product safety and after changing some other laws (General Product Safety Act) as follows from changes made by the law No. 146/2003 Sb. and the law No. 277/2003 Sb.

**RUBBER FLOORING****8. List of Conducted Tests and Relevant Standards**

Tests are conducted based on standards and standard operating procedures that were developed under these standards. The devices used for these tests are included in the company's metrological confirmation system. Their use is managed in accordance with the standard ČSN EN ISO 10012, November 2003: Measurement Management System -

*REQUIREMENTS FOR MEASUREMENT PROCESSES AND MEASURING EQUIPMENT.*

Test name	Method specification
Rubber density determination	ČSN 62 1405
Hardness determination by indenting the tip of durometer (Shore)	ČSN 62 1431 ISO 27 83
Rubber abrasion resistance determination	ČSN 62 1466 ISO 46 49

**9. Conformity Assessment**

Conformity assessment is guided by the law No. 22/1997 Sb. and by the regulation No. 163/2002, as amended by the regulation No. 312/2005 Sb. Conformity Assessment within the system 3, of the standard ČSN EN 14041:2004 + Appendix A1. **§ 5, paragraph (1) point b)** Harmonised standards used for the conformity assessment (summary)

ČSN EN 14041:2004 + Appendix A1 Resilient, textile and laminated floor coverings - Essential characteristics

ČSN EN 12199 Resilient floor coverings - Specification for homogeneous and heterogeneous profiled rubber floor coverings

ČSN P CEN/TS 14472-1 Resilient, textile and laminated floor coverings - Design, preparation and installation - Part 1: General

ČSN P CEN/TS 14472-4 Resilient, textile and laminated floor coverings - Design, preparation and installation - Part 4: Resilient floor coverings

ČSN 74 4505 Flooring. Common regulations

ČSN EN 685 Resilient, textile and laminated floor coverings - Classification

The results of tested samples were used in accordance with the standard EN 10 204, by which the manufacturer determines the parameters of the product in the laboratory and issues an inspection certificate in accordance to the mentioned standard.

**10. Attachments**

*Inspection certificate according to the article 3.1. of the standard ČSN EN 10204 "Types of Inspection Documents". (Certificate of Quality)*

*Certificate of Quality Management System of Manufacturer*

*Certificate of Quality Management System of Distributor*

Ing. Marcela Kadová  
production manager

Signature : \_\_\_\_\_  
Teplice, date 1.1.2020