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# WAKOL TS 102 Footfall Soundproofing Mat, 2 mm

## Technical Information

### Area of application

Cork/polyurethane foam matting for improving the footfall sound and heat insulation of flooring in renovations and new buildings. WAKOL TS 102 Footfall Soundproofing Mat, 2 mm are suitable as a soundproofing mat underneath

- PVC and CV flooring
- Textile flooring
- Linoleum flooring
- Rubber flooring
- Mosaic parquet (cubed pattern) as per DIN EN 13488
- On-edge lamella parquet as per DIN EN 14761
- Strip parquet as per DIN EN 13226
- Multi-layer parquet as per DIN EN 13489
- Wood-block RE/WE as per DIN 68702
- Solid wood planks (oak wood type, max. 16 cm in width) according to DIN EN 13266 and DIN EN 13990
- Laminate

indoors.

### Special properties



- 1) Based on the criteria of GEV (Association for Emission-controlled Laying Materials), classified as EMICODE EC1: very low in emissions
- 2) Emissions class according to French law
- 3) Emissions-certified construction product i.a.w. DIBt principles: Wakol GmbH, 66954 Pirmasens
- 4) Suitable for underfloor heating
- 5) Suitable for exposure to castor wheels

### Technical data

Raw material base:

permanently elastic composite material made of cork and PU foam granules

Delivery:	Roller
Dimensions:	30 m long, 1 m wide
Material thickness:	2 mm thick
Mass per unit area:	approx. 0,91 kg/m <sup>2</sup>
Footfall sound reduction: (according to EN ISO 140-8)	19 dB in combination with 10 mm of multi-layer parquet 19 dB in combination with 3 mm of PVC 17 dB in combination with 3 mm of rubber
Note on storage:	The rolls must be stored upright
Fire behaviour: (according to ISO 11 925/EN 13 501)	Efl
Thermal resistance R: (according to EN 12 667)	0,03 m <sup>2</sup> K/W
Storage temperature:	not sensitive to frost

## Subfloors

The subfloor as well as the room climate conditions must meet the requirements of the applicable standards and data sheets. Subfloors must be permanently dry, solid, level, free from cracks, dirt and adhesion-inhibiting substances.

Apply appropriate Wakol levelling compounds to severely uneven subfloors. The technical information on the primers and levelling compounds must be heeded.

## Usage

Bonding the footfall soundproofing mat:

Bond footfall soundproofing mat close together on the appropriately prepared subfloor, at a right angle to the direction of the flooring strip, using the same adhesive used to bond the top covering. Apply the adhesive with a TKB A2, B1 or B2 notched trowel (parquet). Fit the soundproofing mat once the corresponding airing time has passed and press down well. After a short time press, it down. The top covering can be laid the next day, after the adhesive has set.

Bonding the top covering:

Before laying PVC and CV flooring or rubber and linoleum flooring, level the soundproofing mat using WAKOL D 3060 Plastification Additive.

Sand the levelling compound layer once it has hardened. Textile flooring, laminate and parquet are bonded directly to the soundproofing mat without the use of levelling compound.

The following products are suitable for bonding:

PVC flooring, homogeneous: WAKOL D 3317 PVC Adhesive, fibre-containing  
WAKOL D 3318 MultiFlex, fibre-containing

	WAKOL D 3319 LVT Flooring Adhesive, fibre-containing WAKOL D 3320 PVC Adhesive WAKOL D 3360 VersaTack
CV flooring:	WAKOL D 3317 PVC Adhesive, fibre-containing WAKOL D 3318 MultiFlex, fibre-containing WAKOL D 3319 LVT Flooring Adhesive, fibre-containing WAKOL D 3320 PVC Adhesive WAKOL D 3360 VersaTack
Textile flooring:	WAKOL D 3304 Linoleum Adhesive WAKOL D 3308 Carpet Adhesive WAKOL D 3310 Carpet Adhesive WAKOL D 3311 Linoleum and Carpet Adhesive WAKOL D 3360 VersaTack
Linoleum flooring:	WAKOL D 3304 Linoleum Adhesive WAKOL D 3311 Linoleum and Carpet Adhesive
Rubber flooring:	WAKOL 3410 Kontakto (contact bonding) WAKOL PU 270 Polyurethane Adhesive WAKOL MS 550 PVC and Rubber Adhesive
Mosaic, on-edge lamella and strip parquet:	WAKOL MS 230 Parquet Adhesive, elastic WAKOL MS 232 Parquet Adhesive, elastic WAKOL MS 260 Parquet Adhesive, firm-elastic WAKOL MS 262 Parquet Adhesive, firm-elastic WAKOL MS 290 Parquet Adhesive WAKOL MS 292 Parquet Adhesive WAKOL PU 210 Parquet Adhesive WAKOL PU 215 Parquet Adhesive WAKOL PU 225 Parquet Adhesive WAKOL PU 385 Parquet Adhesive
Solid wood planks:	WAKOL MS 260 Parquet Adhesive, firm-elastic WAKOL MS 262 Parquet Adhesive, firm-elastic WAKOL MS 290 Parquet Adhesive WAKOL MS 292 Parquet Adhesive WAKOL PU 210 Parquet Adhesive WAKOL PU 215 Parquet Adhesive WAKOL PU 225 Parquet Adhesive WAKOL PU 385 Parquet Adhesive
Wood-block RE/WE:	WAKOL PU 210 Parquet Adhesive WAKOL PU 215 Parquet Adhesive WAKOL PU 225 Parquet Adhesive
Multi-layer parquet:	WAKOL MS 230 Parquet Adhesive, elastic WAKOL MS 232 Parquet Adhesive, elastic WAKOL MS 260 Parquet Adhesive, firm-elastic WAKOL MS 262 Parquet Adhesive, firm-elastic

WAKOL MS 290 Parquet Adhesive  
WAKOL MS 292 Parquet Adhesive  
WAKOL PU 210 Parquet Adhesive  
WAKOL PU 215 Parquet Adhesive  
WAKOL PU 225 Parquet Adhesive  
WAKOL PU 385 Parquet Adhesive

Laminate: (must be approved for bonding by the manufacturer)

WAKOL PU 210 Parquet Adhesive  
WAKOL PU 225 Parquet Adhesive

## Important

Processing not below floor temperature of +15 °C and room temperature of +18 °C, as well as room humidity preferably between 40 % and 65 %, maximum 75 %. All information is based on approx. 20 °C and 50 % relative air humidity. Warm up all laying materials in due time in heated room.

We recommend using suitable oils or waxes to treat the surface after laying mosaic and on-edge lamella parquet as well as solid wood planks. If a coating is to be used, first clarify its suitability for parquet bonding on an elastic underlay mat.

We guarantee the uniform high quality of our products. All data is based on tests and many years of practical experience and refers to standardised conditions. The variety of materials used and the different construction site conditions, which lie beyond our control, preclude any claims based on this data. We therefore recommend making sufficient trials. Accompanying flooring manufacturer's instructions and the currently applicable codes must be observed. We gladly provide technical advice.

The product data sheets can be found in their latest version at [www.wakol.com](http://www.wakol.com).

This Technical Information of 08.02.2021 supersedes all previous versions.

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 15.11.2018

Version number 6

Revision: 15.11.2018

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- **1.1 Product identifier**
- **Trade name:** WAKOL TS 102 Footfall Soundproofing Mat
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Rubber compounding
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
WAKOL GmbH  
Bottenbacher Str. 30  
D-66954 Pirmasens  
info@wakol.com  
+49 6331 8001 0
- **Informing department:**  
Product safety department.  
msds@wakol.de
- **1.4 Emergency telephone number:**  
Emergency CONTACT (24-Hour-Number):  
GBK GmbH +49 (0)6132-84463

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The product is not classified, according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.
- **Dangerous components:** Void
- **Additional information** For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
- **General information** No special measures required.
- **After skin contact** Generally the product does not irritate the skin.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

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- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### **SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Nitrogen oxides (NO<sub>x</sub>)  
Hydrogen cyanide (HCN)
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

### **SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** No special measures required.
- **6.3 Methods and material for containment and cleaning up:** Pick up mechanically.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### **SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Store away from flammable substances.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

### **SECTION 8: Exposure controls/personal protection**

- **Additional information about design of technical systems:** No further data; see item 7.
- **8.1 Control parameters**
- **Components with critical values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.

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- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures** Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Eye protection:** Not required.
- **Body protection:** Protective work clothing

**SECTION 9: Physical and chemical properties**

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
  - **Form:** Solid
  - **Colour:** Black
  - **Smell:** Characteristic
  - **Odour threshold:** Not determined.
  - **pH-value:** Not applicable.
- **Change in condition**
  - **Melting point/freezing point:** 145 °C
  - **Initial boiling point and boiling range:** Undetermined.
- **Flash point:** Not applicable.
- **Inflammability (solid, gaseous)** Not determined.  
Not applicable.
- **Ignition temperature:** >250 °C
- **Decomposition temperature:** Not determined.
- **Self-inflammability:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
- **Critical values for explosion:**
  - **Lower:** Not determined.
  - **Upper:** Not determined.
- **Steam pressure:** Not applicable.
- **Density** Not determined.
- **Relative density** Not determined.
- **Vapour density** Not applicable.
- **Evaporation rate** Not applicable.
- **Solubility in / Miscibility with**
  - **Water:** Insoluble.
- **Partition coefficient: n-octanol/water:** Not determined.
- **Viscosity:**
  - **dynamic:** Not applicable.
  - **kinematic:** Not applicable.

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- **Solvent content:**
  - VOC** 0.00 %
- **Solids content:** 100.00 % (DIN EN 827.8.2)
- **9.2 Other information** No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Not hazardous for water.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

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**SECTION 13: Disposal considerations**

- **13.1 Waste treatment methods**
- **Recommendation** Smaller quantities can be disposed of with household waste.
- **European waste catalogue**
- 07 00 00 WASTES FROM ORGANIC CHEMICAL PROCESSES
- 07 02 00 wastes from the MFSU of plastics, synthetic rubber and man-made fibres
- 07 02 99 wastes not otherwise specified
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport information**

- **14.1 UN-Number**
- **ADR, ADN, IMDG, IATA** Void
- **14.2 UN proper shipping name**
- **ADR, ADN, IMDG, IATA** Void
- **14.3 Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** Void
- **14.4 Packing group**
- **ADR, IMDG, IATA** Void
- **14.5 Environmental hazards:**
- **Marine pollutant:** No
- **14.6 Special precautions for user** Not applicable.
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- **Transport/Additional information:** Not dangerous according to the above specifications.
- **UN "Model Regulation":** Void

**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations**
- **Other regulations, limitations and prohibitive regulations**
- **GEV-Guideline/EMICODE:** EC 1, "very low emission"
- **VOC:**
- **VOC (EU)** 0.0 g/l
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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**SECTION 16: Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

**Abbreviations and acronyms:**

*ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*GHS: Globally Harmonised System of Classification and Labelling of Chemicals*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*VOC: Volatile Organic Compounds (USA, EU)*

*MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

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