




# WAKOL PU 270 Polyurethane Adhesive


## Sustainability datasheet

### Emissions to ambient air

	<p><b>Very low in emissions according to EMICODE EC1 PLUS</b></p> <p>EMICODE® is a trademark-protected seal for product classification for modern, solvent-free and low-emission laying materials, adhesives and construction products.</p> <p>It is based on the criteria of the GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.).</p>
	<p><b>Emissions class i.a.w. French law</b></p> <p>According to the French VOC regulation, all construction products, floor and wall coverings, paints and varnishes used indoors are labelled based on their emissions class.</p> <p>Categorisation is to be on the basis of specified limit values and is the responsibility of the manufacturer.</p>

### Technical assessment

	<p><b>GISCODE RU1 – Polyurethane floor laying substances, solvent free</b></p> <p>The GISCODE is a voluntary classification system, agreed between product manufacturers and construction trade associations.</p> <p>It distinguishes between product groups using certain common hazard characteristics.</p>
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 <p>Wakol GmbH 66954 Pirmasens Z-155.10-10 Parkett- klebstoff Emissionsgeprüftes Bauprodukt nach DIBt-Grundsätzen</p>	<p><b>Emissions-certified construction product i.a.w. DIBt principles, inspection number: Z-155.20-101, Universal Adhesive</b></p> <p>The compliance mark labels laying materials that comply with the key technical regulations of the general building approval certification.</p> <p>The approval is issued by the German Institute for Structural Engineering (DIBt). In Austria the ÜA mark is used.</p>
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## Environment protection assessment

<p><b>EPD</b> i.a.w. ISO 14025 and EN 15804</p>	<p><b>Declaration number of Institute for Construction and Environment: EPD-FEI-20220109-IGB1-EN</b></p>
	<p>The above-mentioned construction product complies with the general environmental product declaration (EPD) of the German Institute for Construction and Environment (IBU) with the declaration number <b>EPD-FEI-20220109-IGB1-EN</b></p> <p>This describes the environmental performance of the product for promoting sustainable construction.</p>
<p><b>Recycling capability</b></p>	<p><b>Recycling capability</b></p>
	<p>All Wakol packaging can be processed and recycled after complete emptying.</p> <p>Disposal of empty containers through Interseroh.</p>

## Health protection

<p><b>MAL-Code</b></p> <p>Danish ranking system for occupational safety requirements regarding the inhalation of chemical products</p>	<p><b>MAL-Code: 00-1 (A) / 00-3 (B)</b></p> <p>The Danish system MAL CODE is used for paints, adhesives and other chemical products that are applied to surfaces. It is based on a code system with two digits. The first digit stands for the minimum safety requirements for the inhalation of the vapours of the product. The second digit describes the minimum safety requirements for skin or eye contact or swallowing.</p> <p>The calculation of the code number is based on the chemical composition of the product. The protection measures required for the respective numbers are described in the accompanying documents.</p>
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## Building certification systems

Sustainable building is registering increasing market significance worldwide. Various building certification systems now exist, which pursue a common objective: Promote building with positive (or less harmful) effects on the environment, ideally in harmony with the environment.

Within the individual systems buildings are rated using a comprehensive list of criteria based on their possible environmental impacts. The rating generally includes requirements of construction products and materials which are used indoors.

System	Classification WAKOL PU 270 Polyurethane Adhesive
<b>DGNB</b>	Highest quality level acc. to criterion ENV 1.2
<b>QNG</b>	Satisfies the requirements of Annex Document Version 1.3, Pollutant Avoidance Building Material
<b>LEED</b>	Satisfies the requirements i.a.w. IEQ Credit 4.1 with regard to "low-emitting adhesives and sealants"
<b>BREEAM</b>	Satisfies the requirements i.a.w. "Hea 02 Indoor air quality"
<b>Baubook</b>	Declared in the product group "Adhesives for elastic floor coverings", Product index: 1508 am
<b>BVB</b>	Satisfies the requirements according to Category 6, "Emissions to indoor environment"
<b>Nordic Ecolabel</b>	Not applicable

## DGNB

The certification system of the German Sustainable Building Council (DGNB) rates the sustainability of buildings across their entire life cycle.

Under criterion ENV 1.2 "Risks for the local environment", materials, (construction) products and preparations are classified with regard to their hazardous or harmful effect on people, flora and fauna.

Products marked with:

- GISCODE D 1, ZP1, RU 0,5, RU 1, RE 05, RE 10, RE 20, RE 30, or RS10 and
- EMICODE EC1 or EC1 PLUS

satisfy the requirements of the highest DGNB quality level.

## QNG

The 'Quality Seal for Sustainable Buildings' (QNG) is a state seal of quality for buildings, with the Federal Ministry of Housing, Urban Development and Building (BMWSB) as the seal issuer and accredited certification bodies as awarding bodies.

The quality seal is applicable to products that fulfil the criteria in the QNG requirements catalogue, Annex Document 313, Version 1.3, Pollutant Avoidance in Building Materials.

## LEED

The American LEED® model (Leadership in Energy and Environmental Design) is internationally acknowledged and demonstrates the building quality in terms of energy and ecological aspects. Adhesives and sealants, as well as sealing primers, are rated according to whether they comply with the defined VOC limit values for emissions to the ambient air when used on the construction site.

Products classified as EMICODE EC1 PLUS satisfy the requirements i.a.w. IEQ 4.1 (Indoor Environmental Quality) with regard to "low-emitting adhesives and sealants" in the territory outside of North America.

## BREEAM

BREEAM (Building Research Establishment Environmental Assessment Method), developed in Great Britain, is an internationally used system for the sustainability rating of buildings. The effects of adhesives and sealants on the quality of the ambient air in buildings are examined under "Hea 02 Interior Air Quality".

Products classified as EMICODE EC1 PLUS meet the requirements for use indoors.

## Baubook

Via the internet platform of the Austrian baubook GmbH, manufacturers can declare their building products online - with regard to ecological criteria, building physics and building ecology parameters as well as product group-dependent properties. The platform is operated by the Vorarlberg Energy Institute and IBO GmbH.

After successfully passing quality assurance, the products are listed at [www.baubook.info](http://www.baubook.info).

## BVB

The Swedish BVB system or "Swedish Building Materials Assessment (Byggsvarubedömningen)" rates construction products in terms of their environmental impacts. Adhesives are viewed in Category 6 – Materials used on surfaces or applications where emissions to the ambient air may arise.

Products classified as EMICODE EC1 PLUS meet the requirements for use indoors.

## Nordic Ecolabel

The Nordic Ecolabel is the national sustainability label of the Scandinavian countries. Products listed in the 'supply chain declaration portal' database fulfil the criteria of the Nordic Ecolabel 'New buildings Generation 4'.

## Important information

All details are based on our findings and the stage of product development at the time of creation.

In addition, the notices in the technical information and safety datasheets must also be observed. They can be found together with the product datasheets in their latest version online at [www.wakol.com](http://www.wakol.com).

All previous versions become invalid with the publication of this sustainability datasheet dated November 21<sup>st</sup>, 2024.