SENTINEL HOLDING
INSTITUT

SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

13373-10-1049

2K-Zargenschaum PURLOGIC Fast

Product group: Construction chemicals - Construction Foam - PU foam

WÜRTH

Adolf Würth GmbH & Co. KG
Reinhold-Würth-Straße 12-17
74653 Künzelsau-Gaisbach

Product qualities:

- QNG – Qualitätssiegel Nachhaltiges Gebäude ✓
- DGNB NEW CONSTRUCTION 2023.2 ✓
- DGNB NEW CONSTRUCTION 2023 ✓
- DGNB NEW CONSTRUCTION 2018 ✓
- BNB-BN NEUBAU V2015 ✓
- EU TAXONOMY ✓
- BREEAM DE NEUBAU 2018 ✓
- LEED v4.1 (outside US) ✓

CERTIFIED SUSTAINABLE PRODUCT – SHI PRODUCT PASSPORT – SENTINEL HOLDING INSTITUT – www.sentinel-holding.eu

Köttner

Helmut Köttner
Scientific Director
Freiburg, 17 August 2026

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QNG - Qualitätssiegel Nachhaltiges Gebäude

The Qualitätssiegel Nachhaltiges Gebäude (Quality Seal for Sustainable Buildings), developed by the German Federal Ministry for Housing, Urban Development and Building (BMWSB), defines requirements for the ecological, socio-cultural, and economic quality of buildings. The Sentinel Holding Institut evaluates construction products in accordance with QNG requirements for certification and awards the QNG ready label. Compliance with the QNG standard is a prerequisite for eligibility for the KfW funding programme. For certain product groups, the QNG currently has no specific requirements defined. Although classified as not assessment-relevant, these products remain suitable for QNG-certified projects.

Criteria	Pos. / product group	Considered substances	QNG assessment
3.1.3 Schadstoffvermeidung in Baumaterialien	12.5 In-situ foams (PUR, UF) for interior spaces and the building envelope	Halogenated propellants / SVHC / formaldehyde / emissions / chlorinated paraffins	QNG ready
Verification: Herstellererklärung 01.26			

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DGNB New Construction 2023.2

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact	38 Montageschäume (innen und Gebäudehülle)	VVOC, VOC, SVOC Emissionen und Gehalt an gefährlichen Stoffen	Quality level 1
Verification: Herstellererklärung 01.26, EMICODE EC1 Plus Zertifikat (4737/15.05.06) 26.09.2023			

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DGNB New Construction 2023

The DGNB System (German Sustainable Building Council) assesses the sustainability of various types of buildings. It can be applied to both large-scale private and commercial projects as well as smaller residential buildings. The 2023 version sets high standards for ecological, economic, socio-cultural, and functional aspects throughout the entire life cycle of a building.

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact, 03.05.2024 (3rd edition)	38 Installation foams that do not have to meet the requirements8	VVOCs, VOCs, SVOC emissions, halogenated propellants, chlorinated paraffins, plasticisers, flame retardants	Quality level 2
Verification: Herstellererklärung 01.26, EMICODE EC1 Plus Zertifikat (4737/15.05.06) 26.09.2023			

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact, 29.05.2025 (4th edition)	38 Installation foams	VVOCs, VOCs, SVOC emissions, halogenated propellants, chlorinated paraffins, plasticisers, flame retardants	Quality level 2
Verification: Herstellererklärung 01.26, EMICODE EC1 Plus Zertifikat (4737/15.05.06) 26.09.2023			

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DGNB New Construction 2018

The DGNB System (German Sustainable Building Council) assesses the sustainability of various types of buildings. It can be applied to both large-scale private and commercial projects as well as smaller residential buildings.

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact	38 Installation foams that do not have to meet the requirements of class B1	Halogenated and other propellants solvents, plasticisers and flame retardants	Quality level 2
Verification: Herstellererklärung 01.26, EMICODE EC1 Plus Zertifikat (4737/15.05.06) 26.09.2023			

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BNB-BN Neubau V2015

The Bewertungssystem Nachhaltiges Bauen (Assessment System for Sustainable Building) is a tool for evaluating public office and administrative buildings, educational facilities, laboratory buildings, and outdoor areas in Germany. The BNB was developed by the former Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB) and is now overseen by the Federal Ministry for Housing, Urban Development and Building (BMWSB).

Criteria	Pos. / product type	Considered substance group	Quality level
1.1.6 Risiken für die lokale Umwelt	33 Spray and mounting foams	Halogenated refrigerants / individual hazardous substances (formaldehyde)	Quality level 3
Verification: Herstellererklärung 01.26			

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EU taxonomy

The EU Taxonomy classifies economic activities and products according to their environmental impact. At the product level, the EU regulation defines clear requirements for harmful substances, formaldehyde and volatile organic compounds (VOCs). The Sentinel Holding Institut GmbH labels qualified products that meet this standard.

Criteria	Product type	Considered substances	Assessment
DNSH - Pollution prevention and control	Sonstige	Stoffe nach Anlage C	compliant
Verification: EMICODE EC1 Plus Zertifikat (4737/15.05.06) 26.09.2023			

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BREEAM DE Neubau 2018

BREEAM (Building Research Establishment Environmental Assessment Methodology) is a UK-based building assessment system that evaluates the sustainability of new constructions, refurbishments, and conversions. Developed by the Building Research Establishment (BRE), the system aims to assess and improve the environmental, economic, and social performance of buildings.

Criteria	Product category	Considered substances	Quality level
Hea 02 Indoor Air Quality	Interior adhesives and sealants (including flooring adhesives)	Emissions: Formaldehyde, TVOC, TSVOC, carcinogens	Exemplary quality
Verification: EMICODE EC1 Plus (4737/15.05.06) vom 26.09.2023			

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LEED v4.1

LEED (Leadership in Energy and Environmental Design) is an internationally recognised building certification system developed by the U.S. Green Building Council. It is one of the most widely used sustainability standards for buildings worldwide and is particularly applied in internationally oriented projects. LEED assesses buildings holistically across categories such as energy efficiency, resource conservation, material selection, indoor environmental quality and site sustainability. Depending on the number of points achieved, projects are awarded one of the certification levels: LEED Certified, Silver, Gold or Platinum.

Criteria	Product category	Considered substances	Assessment
EQ Credit: Low-Emitting Materials	Kleb- und Dichtstoffe	Emissionen: Formaldehyd, VOC, Krebserregende Stoffe	compliant
Verification: EMICODE EC1 Plus (4737/15.05.06) vom 26.09.2023			

Product:
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Product labels

In the construction industry, high-quality materials are crucial for a building's indoor air quality and sustainability. Product labels and certificates offer guidance to meet these requirements. However, the evaluation criteria of these labels vary, and it is important to carefully assess them to ensure products align with the specific needs of a construction project.

The EMICODE® label, awarded by the German manufacturers' association "GEV – Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e. V.", is primarily relevant for flooring installation materials. The EMICODE® EC1^{PLUS} label, as the premium class, sets significantly stricter emission limits than the other label variants.

Products bearing the Sentinel Holding Institute QNG-ready seal are suitable for projects aiming to achieve the "Qualitätssiegel Nachhaltiges Gebäude" (Quality Seal for Sustainable Buildings). QNG-ready products meet the requirements of QNG Appendix Document 3.1.3, "Avoidance of Harmful Substances in Building Materials." The KfW loan program Climate-Friendly New Construction with QNG may allow for additional funding.

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(*) These criteria apply to the construction project as a whole. While individual products can positively contribute to the overall building score through proper planning, the evaluation is always conducted at the building level. The information was provided entirely by the manufacturer.

Find our criteria here: https://www.sentinel-holding.eu/de/Themenwelten/Pr%C3%BCfkriterien%20f%C3%BCr%20Produkte

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SGS TÜV SAAR

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TECHNICAL DATA SHEET

PURlogic® Fast 2-component frame foam

Art. no. 0892 144
P. Qty.: 1 / 12



2C cartridge foam for secure door frame installation

PURlogic® Fast excellently adheres to almost every substrate commonly seen in construction. Thanks to its dimensional stability, the product does not further extend once it is fully cured.

Properties examined in independent test institutes:

- Joint sound insulation: Reduced noise level at RST,w = 61 dB according to DIN 52210, tested by ift Rosenheim.
- Thermal conductivity: Reduced heat loss after 0.035W/(mK) according to DIN 52612, tested by MPA Hanover.
- Air permeability: Prevents draughts, tested according to DIN 18055/EN 42 by ift Rosenheim.
- Water vapour permeability: Tested according to DIN EN ISO 12572 by ift Rosenheim.
- Energy saving according to German Energy Saving Ordinance (EnEV): Heating cost savings of 9 % tested by Fraunhofer Institute based on DIN 18055/EN42.
- General test certificate from construction authorities: Corresponds to material class B2 according to DIN EN 13501-12 Class E, tested in the Material Testing Institute in Leipzig.

Chemical basis	Polyurethane prepolymer
Colour	Green
Smell/fragrance	Characteristic
Moulded density	35 kg/m³
Conditions for moulded density	in released form, tested in accordance with Würth test methods
Cell structure	Fine
Cell structure conditions	tested in accordance with Würth test methods
Working life	4 min

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TECHNICAL DATA SHEET

Tack-free after	5 min
Conditions for being tack-free	at 23 °C and 50% humidity
Can be cut after	15 min
Conditions for ability to cut	at 23 °C and 50% relative humidity
Full resilience	1 h
Conditions for full resilience	at room temperature
Final spreading possible after	60 min
Conditions for final spreading	at room temperature
Min./max. processing temperature	10 to 25 °C
Min./max. ambient processing temperature	10 to 25 °C
Min./max. surface processing temperature	10 to 25 °C
Min./max. processing temperature for can	10 to 25 °C
Min./max. temperature resistance	-40 to +90 °C
Max. short-term temperature resistance	120 °C
Compression strength	5 N/cm^2
Compression strength conditions	based on DIN 53421 at 10% compression
Min. combined tension and shear resistance	9 N/cm^2
Conditions for combined tension and shear resistance	in accordance with DIN 53427
Elongation at break	30 %
Yield (volume) approx.	10 l
Conditions for yield	Tested in accordance with Würth test methods
Contents	400 ml
Building material class	B2 - Normally inflammable
Building material class conditions	in accordance with DIN 4102
Resistance against	Aging
Shelf life from production	12 Month
Conditions to maintain shelf life from production	upright and dry storage area
Sustainability	Low-emission/ low-pollution

Application area

For high-quality and secure wooden and steel door frame installation, window sill connections*, for filling larger cavities, such as roof beams, bath and shower tub filling and model and mould construction.
* Must be protected from a compressive load with a sufficient supporting load.
Adheres to concrete, stone, hard PVC and wood.

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TECHNICAL DATA SHEET

Application information

Cover the surfaces adjacent to the working area before starting work. Screw the enclosed adapter tube onto the valve. Turn the inner part of the red rotary disc 5 times to the right. This opens the B component. Shake the can vigorously, with the valve facing downwards, approx. 20 times so that the can contents are mixed and the foam quality is optimised. The foam needs to be a uniform shade of lime green. If this is not the case, shake the can again.

Wooden door and window frames:
For installing door and window frames, the structural components must be aligned and fastened in accordance with the latest standards. Use spreaders for door frames. Afterwards, apply foam at 3 points on the left and the right. Only fill the joints or cavities to 50% with foam because the foam will expand.

Steel door frames:
Steel door frames must be fully bonded with foam and must also be secured mechanically. Cut away excess, fully hardened foam with a knife. Immediately remove splashes of foam with PURlogic® Clean, art. no. 0892 160. Observe the standard industrial hygiene practices. Wear safety goggles and safety gloves. Fully empty the contents of the can within no more than 5 minutes of mixing them; otherwise, the foam will harden in the can and could burst. When the can temperature is increased, the foam can could burst when the valve is operated.

Never burn off hardened foam. Further information on product safety and application can be found on the container.

Proof of performance

EMICODE EC1plus: Very low emissions: The EMICODE classification system distinguishes the environmental and health compatibility of construction products. The lowest-emission products bear the EC1plus mark.

Notice

Adheres to concrete, stone, hard PVC, metal and wood. Does not adhere to polyethylene, silicone, PTFE and grease. Primer must be applied to porous and absorbent surfaces. The despreading time can increase significantly with damp building surfaces. Moisture does not need to be added (wetting the adhesive surfaces) with 2-component foams.

The usage instructions are recommendations based on the tests we have conducted and our experience; carry out your own tests before each application. Due to the large number of applications and storage and processing conditions, we do not assume any liability for a specific application result. Insofar as our free customer service provides technical information or acts as an advisory service, no responsibility is assumed by this service except where the advice or information given falls within the scope of our specified, contractually agreed service or the advisor was acting deliberately. We guarantee consistent quality of our products. We reserve the right to make technical changes and further develop products.

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HERSTELLERERKLÄRUNG

Firma	Adolf Würth GmbH & Co. KG
Artikelnummer	0892144
Produktbezeichnung	2K-Zargenschaum PURLOGIC Fast
Anwendung/ Beschreibung	2K-Kartuschenschaum für eine sichere Türzargenmontage

Anforderungen	Erfüllt	Bemerkung
SVHC	Ja	s. SDB* (Abschnitt 3.2)
VOC-Gehalt	Ja	s. SDB* (Abschnitt 15.1)
CMR-Stoffe der Kategorie 1A/1B < 0,10%	Ja	
TCEP ≤ 0,10 %	Ja	
Chlorparaffine SCCPs < 0,10 %	Ja	
Chlorparaffine MCCPs < 0,10 %	Ja	
Chlorparaffine LCCPs < 0,10 %	Ja	
Frei von halogenierten Treibmitteln	Ja	
halogenierten Flammschutzmittel < 0,10 %	Nein	
weichmacherfrei	Nein	

Vorhandene Dokumente

Sicherheitsdatenblatt (SDB*)	s. Onlineshop
Prüfzeugnisse Sonstiges	EC1+

01/26

Dieses Dokument ist ohne Unterschrift gültig.

Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.

GEV EMICODE®

Lizenzerteilung zur Führung des EMICODE

Lizenzierungs-Nummer:	4737/15.05.06
Für den Artikel	Würth PURlogic FAST
wird auf Antrag vom	02.09.2013

unter Bezugnahme auf die Einstufung gemäß den nach § 10 der GEV-Zeichensatzung festgelegten Richtlinien

namens der Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V. für den oben genannten Artikel nach § 5 Abs. 4 der GEV-Zeichensatzung die Lizenz zur Führung des GEV-Zeichens

GEV-EMICODE® EC 1 PLUS sehr emissionsarm

erteilt. Damit erfüllt dieser Artikel die rückseitig aufgeführten Kriterien.
Die Firma ist ordentliches Mitglied der GEV.

Der Geschäftsführer
Gemeinschaft Emissionskontrollierte Verlegewerkstoffe,
Klebstoffe und Bauprodukte e.V.
Völklinger Straße 4 · D-40219 Düsseldorf

OM036 26.09.2023
gültig bis 26.09.2028

Hinweise zu den Voraussetzungen über die Vergabe der Lizenz für den EMICODE

Das gemäß vorseitiger Lizenz eingestufte Produkt hat nach der Satzung und den Richtlinien des Technischen Beirats der GEV u.a. den folgenden Kriterien zu genügen:

- Das Produkt entspricht allen gesetzlichen Bestimmungen, insbesondere denen des Chemikalienrechtes und seiner Verordnungen.
- Das Produkt ist nach der Definition der TRGS 610 lösemittelfrei, sofern es sich nicht um ein Oberflächenprodukt handelt. Soweit es einer Produktgruppe nach GISCODE zuzuordnen ist, wird diese angegeben.
- Für das Produkt wird ein Sicherheitsdatenblatt nach lokalem Recht in der jeweils aktuellen Fassung erstellt.
- Krebserregende, erbgutverändernde oder fruchtschädigende Stoffe der Klassen 1A und 1B werden dem Produkt bei der Herstellung nicht zugesetzt.
- Die Prüfung des Produktes erfolgt nach der definierten „GEV-Prüfmethode“. Die VOC-Bestimmung wird dabei in einer Prüfkammer nach dem Tenax-Thermodesorptions-Verfahren mit nachgeschalteter GC/MS-Analyse durchgeführt.
- Die Einstufung in EMICODE-Klassen erfolgt entsprechend den nachstehenden Bezeichnungen und TVOC/TSVOC-Konzentrationsbereichen. Zur Produktkennzeichnung ist die zutreffende EMICODE-Klasse zu verwenden:

1) Verlegewerkstoffe, Klebstoffe und Bauprodukte

Parameter	EC 1 PLUS	EC 1	EC 2
	max. zulässige Konzentration [µg/m³]		
TVOC nach 3 Tagen	≤ 750	≤ 1000	≤ 3000
TVOC nach 28 Tagen	≤ 60	≤ 100	≤ 300
TSVOC nach 28 Tagen	≤ 40	≤ 50	≤ 100
R-Wert basierend auf AgBB-NIK-Werten nach 28 Tagen	1	-	-
Summe der nicht bewertbaren VOC	≤ 40	-	-
Formaldehyd nach 3 Tagen	≤ 50	≤ 50	≤ 50
Acetaldehyd nach 3 Tagen	≤ 50	≤ 50	≤ 50
Summe von Form- und Acetaldehyd	≤ 0,05 ppm	≤ 0,05 ppm	≤ 0,05 ppm
Summe von flüchtigen K1A/K1B Stoffen nach 3 Tagen	≤ 10	≤ 10	≤ 10
Jeder flüchtige K1A/K1B Stoff nach 28 Tagen	≤ 1	≤ 1	≤ 1

2) Oberflächenbehandlungsmittel für Parkett, mineralische Böden und elastische Bodenbeläge

Parameter	EC 1 PLUS	EC 1	EC 2
	max. zulässige Konzentration [µg/m³]		
Summe TVOC + TSVOC nach 28 Tagen	≤ 100 davon max. 40 SVOC	≤ 150 davon max. 50 SVOC	≤ 450 davon max. 100 SVOC
Formaldehyd nach 3 Tagen	≤ 50	≤ 50	≤ 50
Acetaldehyd nach 3 Tagen	≤ 50	≤ 50	≤ 50
Jeder flüchtige K1A/K1B Stoff nach 3 Tagen	≤ 10	≤ 10	≤ 10
Jeder flüchtige K1A/K1B Stoff nach 28 Tagen	≤ 1	≤ 1	≤ 1