

Product Verification

Sustainability

Self declared according to BREEAM International New Construction 2016 / V6.0

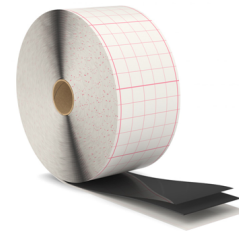
■ Product Systems

EGOTAPE 4000

EGO Dichtstoffwerke GmbH & Co. Betriebs KG

EGOTAPE 4000 is a self-adhesive butyl tape that is stable in volume and laminated with a, highly tear-resistant HDPE-foil. The special film is crosslaminated and thus ensures high resistance to further tearing. For covering seals of construction / connection joints in industrial and construction areas, concrete and prefabricated concrete construction. The product is designed for: - Sealing at roofs, balconies, loggias, pergolas and porticos (e.g. for connections and end structures, roof lights, light strips, smoke and heat exhaust units, edge finishing structures and door connections based on DIN 18531) - Sealing of components in contact with soil (e.g. against soil humidity and nonpressuring water based on DIN 18533) - Sealing in indoor areas (e.g. connections and end structures, areas behind bath tubs or shower cubicles and transition zones on the basis DIN 18534) - Sealing of window connections - Noise reduction for window sills - Sealing of tube openings - Corrosion protection for tubes - Sealing in the field of air conditioning, ventilation, heating and cooling systems - Sealing against radon gas - Use as nail sealing tape Typical butyl characteristics for butyl products, such as UV resistance, longevity and odourlessness, make EGOTAPE 4000 stand out for butyl rubber products. EGOTAPE 4000 fulfills the requirements according to EMICODE EC 1 PLUS.

<https://www.ego.de/produkt/egotape4000>



Product Assessment

Health and wellbeing

Criteria	Product Verification
Hea 02 Indoor air quality (GN22 V2.0 April 2016)	Yes
Hea 02 Indoor air quality - Exemplary Level (GN22 V2.0 April 2016)	Yes

Legend: yes = Product contributes toward satisfying the credit, N/A = Product not relevant in the credit, no = Credit requirements are not proven

Summary

The product contributes to the certification:

- The product contributes toward satisfying Hea 02 Indoor air quality: Yes
- The product contributes toward satisfying Hea 02 Indoor air quality - Exemplary Level: Yes

■ Ecolabels & Product-Assessments

AgBB tested



ISO 9001 - Quality Management System



EMICODE EC1plus



SCAQMD Rule

French VOC-Label A+



ISO 14001 - Environmental Management System



■ Product Properties

Ingredients:

Percentage of the product's composition, that is known to the chemical ingredient level	100 wt%
SVHC according REACH < 0,1 %:	Yes
Recycled content post-consumer:	N/A
Recycled content pre-consumer:	N/A
Free (< 0,1 %) of polybrominated diphenyl ethers (= PBDE):	Yes
Free (< 0,1 %) of chlorinated paraffins (= CP inkl. SCCP, MCCP, LCCP):	Yes
VOC content according 2004/42/EG:	0 g/l
Content of VOC:	0 %
To what level of detail is the product composition known?	100 ppm
Rapidly renewable content	N/A
VOC content according 2004/42/EG:	0 g/m2
Non renewable virgin raw material content	N/A
Free (< 0,1 %) of biocidal:	Yes
Free (< 0,1 %) of polybrominated biphenyls (= PBB):	Yes
Free (< 0,1 %) of hexabromocyclododecane (= HBCD):	Yes
Free (< 0,1 %) of tris (2-carboxyethyl) phosphine (= TCEP):	Yes
Free (< 0,1 %) of lead:	Yes
Free (< 0,1 %) of cadmium:	Yes



Free (< 0,1 %) of chromium-VI compounds:	Yes
Free of solvent according to VdL-RL01:	Yes
Free (< 0,1 %) of aromatic compounds:	Yes
Free (< 0,1 %) from halogenated propellants:	Yes
Free (< 0,1 %) of tin:	Yes
Free (< 0,1 %) of halogenated flame retardants:	Yes
Content of solvents:	0 %
Free (< 0,1 %) of halogens:	Yes
Free of plasticizer according to VdL-RL01:	Yes
Free (< 0,1 %) of hydrocarbon (KWS) plasticizer:	Yes

Manufacturer:

Environmental Management System according ISO 14001:	Yes
Are reverse logistics in place for the product?	No
Final manufacturing location of the product: latitude	47.490265047353574 ° DDD
Final manufacturing location of the product: longitude	11.177764890049371 ° DDD

Emissions:

Formaldehyde emissions after 28 days according DIN EN 717-1:	0.002 mg/m ³
R-Value according to AgBB:	0,0
TVOC after 3 days according ISO 16000-3 / AgBB:	0,02 mg/m ³
TVOC after 28 days according ISO 16000-3 / AgBB:	0,005 mg/m ³
SVOC after 3 days according ISO 16000-3 / AgBB:	N/A
SVOC after 28 days according ISO 16000-3 / AgBB:	N/A
Carcinogens 1A and 1B after 3 days according ISO-16000 / AgBB:	0,001 mg/m ³
Carcinogens 1A and 1B after 28 days according ISO-16000 / AgBB:	0.001 mg/m ³

Circularity:

Has the product been designed for reuse, refurbishment or remanufacturing?	No
Is the product designed for a recycling of equal quality?	No
Was the product designed for biodegradation?	No
Was the product designed for clean incineration?	No

Life Cycle Assessment:

Functional use period

N/A

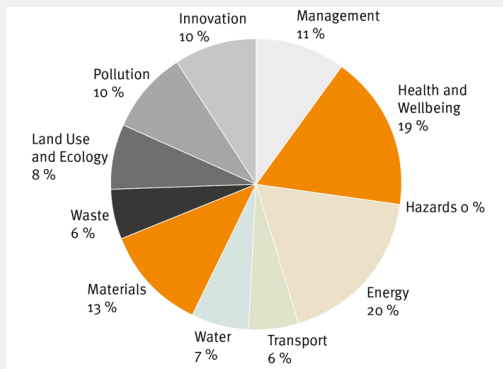
■ System description

The BREEAM (Building Research Establishment Environmental Assessment Method) certification system was published by the Building Research Establishment (BRE). It came on the market in 1990 and was one of the first certification systems for buildings. BREEAM offers different standards, which vary in the requirements, depending on the country, type of use and development phase of the project (new construction, in-use, refurbishment and fit-out, infrastructure and communities). Within ten environmental categories and numerous individual credits, buildings are rated and can be rated as Acceptable (for in-use scheme only), Pass, Good, Very Good, Excellent and Outstanding. Up to now, more than 16,300 BREEAM projects have been certified worldwide (as of April 2018).

Source: www.breeam.com

■ System categories

Category Weighting



Category

Category considered in product verification

Category	Category considered in product verification
Management (Man)	No
Health and wellbeing (Hea)	Yes
Energy (Ene)	No
Transport (Tra)	No
Water (Wat)	No
Materials (Mat)	Yes
Waste (Wst)	No
Land use and ecology (LE)	No
Pollution (Pol)	No
Innovation (Inn)	No

Source: BREEAM International NC 2016 - Non-residential - Fully Fitted (TM 2.0)

Detailed Verification

Self declared according to BREEAM International New Construction 2016 / V6.0

Health and wellbeing

Hea 02 Indoor air quality (GN22 V2.0 April 2016)

The product contributes toward satisfying Hea 02 Indoor air quality:

EGOTAPE 4000	Yes
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The product contributes toward satisfying Hea 02 Indoor air quality:

EGOTAPE 4000	Yes
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Interior adhesives and sealants (including flooring adhesives)

The entire product complies with Hea 02 Indoor air quality for interior adhesives and sealants (including flooring adhesives):

EGOTAPE 4000	Yes
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The product complies with Hea 02 Indoor air quality for interior adhesives and sealants (including flooring adhesives):

EGOTAPE 4000	Yes
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The product is an adhesive or sealant:

EGOTAPE 4000	Yes
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The application of the product is inside a building:

EGOTAPE 4000	Yes
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Formaldehyde after 28 days $\leq 0.06 \text{ mg/m}^3$:

EGOTAPE 4000	Yes
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Formaldehyde emissions according DIN EN 717-1:

EGOTAPE 4000	$\leq 0.002 \text{ mg/m}^3$
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TVOC after 28 days $\leq 1.0 \text{ mg/m}^3$:

EGOTAPE 4000	Yes
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TVOC after 28 days:

EGOTAPE 4000	$< 0.005 \text{ mg/m}^3$
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Category 1A and 1B carcinogens after 28 days $\leq 0.001 \text{ mg/m}^3$:

EGOTAPE 4000	Yes
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Carcinogens 1A and 1B after 28 days according ISO-16000 / AgBB:

EGOTAPE 4000	$< 0.001 \text{ mg/m}^3$
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Certified with eco-INSTITUT-Label:

EGOTAPE 4000	No
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Certified with UL Greenguard Gold:

EGOTAPE 4000	No
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Certified with UL Greenguard:

EGOTAPE 4000	No
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GREENGUARD certification confirms that there are no measured carcinogens:

EGOTAPE 4000	No
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Certified with Indoor Air Comfort:

EGOTAPE 4000	No
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Certified with Indoor Air Comfort Gold:

EGOTAPE 4000	No
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Certified with M1 Emission Classification of Building Materials:

EGOTAPE 4000	No
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Certified EMICODE standard:

EGOTAPE 4000	EMICODE EC1PLUS
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■ Hea 02 Indoor air quality - Exemplary Level (GN22 V2.0 April 2016)

The product contributes toward satisfying Hea 02 Indoor air quality - Exemplary Level:

EGOTAPE 4000	Yes
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The product contributes toward satisfying Hea 02 Indoor air quality - Exemplary Level:

EGOTAPE 4000	Yes
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Interior adhesives and sealants (including flooring adhesives) - Exemplary Level

The entire product complies with Hea 02 Indoor air quality - Exemplary Level for interior adhesives and sealants (including flooring adhesives):

EGOTAPE 4000	Yes
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The product complies with Hea 02 Indoor air quality - Exemplary Level for interior adhesives and sealants (including flooring adhesives):

EGOTAPE 4000	Yes
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The product is an adhesive or sealant:

EGOTAPE 4000	Yes
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The application of the product is inside a building:

EGOTAPE 4000	Yes
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Formaldehyde after 28 days $\leq 0.01 \text{ mg/m}^3$:

EGOTAPE 4000	Yes
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Formaldehyde emissions according DIN EN 717-1:

EGOTAPE 4000	$\leq 0.002 \text{ mg/m}^3$
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TVOC after 28 days $\leq 0.3 \text{ mg/m}^3$:

EGOTAPE 4000	Yes
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TVOC after 28 days:

EGOTAPE 4000	$< 0.005 \text{ mg/m}^3$
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TSVOC after 28 days $\leq 0,1 \text{ mg/m}^3$:

EGOTAPE 4000	Yes
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TSVOC after 28 days:

EGOTAPE 4000	$< 0.02 \text{ mg/m}^3$
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Category 1A and 1B carcinogens after 28 days $\leq 0.001 \text{ mg/m}^3$:

EGOTAPE 4000	Yes
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Carcinogens 1A and 1B after 28 days according ISO-16000 / AgBB:

EGOTAPE 4000	$< 0.001 \text{ mg/m}^3$
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Certified with Indoor Air Comfort Gold:

EGOTAPE 4000	No
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Certified EMICODE standard:

EGOTAPE 4000	EMICODE EC1PLUS
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■ Contact Details Manufacturer

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<http://www.ego.de/>



■ Disclaimer

This verification is the evaluation and ranking of products in terms of the certification system DGNB 2015 (New construction of office buildings). The DGNB (Deutsche Gesellschaft für Nachhaltiges Bauen) generally does not certify products. Therefore the project team or the manufacturer is responsible to declare compliance with respect to the DGNB criteria. Notice: This verification is generated by the Assessment Service of BMS. The distribution or publication by third parties is not permitted. The data sheet is not a DGNB certification document. The information is based on the manufacturer's specifications. Despite a diligent treatment of all information BMS can not make any warranties about the completeness, reliability and accuracy of this information. The requirements of DGNB can be interpreted differently and depend on the project and scope of application. Therefore, BMS cannot accept any liability for the evaluation in terms of the DGNB criteria. The user of the data sheet, the user / purchaser of the product and the consultant / planner, who is advising on this product has the duty to check the product for the intended application at their own responsibility. When a new version of this product verification is produced, the previous version loses its validity.