



Paul Kläs GmbH

Sustainability – a responsibility for humanity and the environment!

Paul Kläs GmbH | Folding-box manufacturer | 58540 Meinerzhagen

Paul Kläs GmbH is a modern, medium-sized and owner-managed manufacturer in the packaging industry based in Meinerzhagen. With our approx. 90 employees we see ourselves not only as a producer of solid board packaging, but also as a modern service provider and partner for customers from all sectors.

The manufacturer Paul Kläs GmbH is certified according to the following standards:

- DIN EN ISO 9001 Quality-management
- DIN EN ISO 14001 Environmental-management
- DIN EN ISO 50001 Energy-management
- DIN EN ISO 14064 verified GHG balance
- FSC / PEFC raw materials from sustainable forestry

Part of the certification documentation is a documented and published corporate, CSR, environmental and energy policy.

ECOVADIS – the world's most reliable sustainability ranking for businesses

Paul Kläs GmbH was initially awarded in 2014 by ECOVADIS for sustainability (ecological, social and ethical performance) with the bronze medal and **in 2023 with the Silver medal** in 83rd percentile rank. This means that Paul Kläs GmbH is amongst the top 17% of companies in their industry.



Paul Kläs GmbH

15 years of active climate and environmental protection – every decision counts!

Our principle for reducing greenhouse gases

All measures should be geared towards the hierarchy of climate neutrality:



- **Avoid** – use of renewable energies and renunciation of climate-damaging technologies
- **Reduce** – reduction of energy consumption and other GHG sources
- **Compensating** as a strategy for the unavoidable residual emissions

Milestones for greenhouse-gas reduction 2008 – 2023

- **Year 2008:** Completion of the new production facility – equipped with industrial underfloor heating and ceiling heating systems for low flow temperatures, suitable for heat recovery systems.
- **Year 2008:** Commissioning of heat recovery installations for air and cooling water in the printing process.
- **Year 2008:** Completion of the administrative block with heating and cooling ceilings and a geothermal system (2008), with which the building is both heated and cooled (carbon-neutrally).
- **Years 2010–2015:** More energy-efficient replacement investments of die-cutting and gluing machines (3 die-cutting machines and 5 gluing machines).
- **Year 2014:** ECOVADIS bronze medal.
- **Year 2017:** Software-based monitoring and controlling of heating and ventilation systems.
- **Year 2017:** Replacement investment in a modulating gas condensation heating system – yearly CO₂ reduction of approx. 10 tonnes
- **Year 2018:** Investment in an energy-efficient printing machine with heat recovery system for air and water.
- **Year 2019:** Job bike – offer for all employees to reduce emissions for transits between home and work (approx. 30 leasing contracts).
- **Year 2019:** Investment in an energy-efficient air screw compressor with heat recovery unit.



- **Year 2019:** Completion of a 3,700 m² warehouse with a capacity of 6,000 pallet spaces – the requirements of the German Energy Saving Ordinance (EnEV) were exceeded by approx. 30 % in this building, thanks to special insulation measures.

Heating: industrial underfloor heating (concrete core activation).

The building is heated exclusively by our carbon-neutral extended heat recovery system.

- **Years 2019–2023:** Replacement of conventional lighting systems with more modern LED lighting systems.
- **Years 2020–2023:** Construction of a photovoltaic installation, in three construction stages, with a total output capacity of approx. 1MWp (2020: 357kWp, 2022: 347 kWp and completion in November 2023: 245 kWp)
Total CO₂ reduction of approx. 350 tonnes.
- **Year 2021:** Replacement investment in an energy-efficient printing machine with heat recovery system (air/water)
- **Year 2021:** Installation of charging stations for electric vehicles.
- **Year 2021:** Electric vehicles in our car fleet.

- **Year 2022:** First CO₂ balance sheet created in 2021 with ECO Cockpit – approx. 1,100 tonnes of carbon emissions. Evaluation of further measures.
- **Year 2022:** Software-based electricity metering and monitoring.
- **Year 2023:** Introduction and certification of an environmental management system **in accordance with ISO 14001.**
- **Year 2023:** Introduction and certification of an energy management system **in accordance with ISO 50001.**
- **Year 2023:** From 09/2023: 100% of our electricity consumption comes from renewable energy sources – yearly carbon reduction of 379 tonnes.
- **Year 2023:** Completion of the 1 MWP photovoltaic installation – The proportion of self-generated electricity from PV systems amounts to approx. 50%.
- **Year 2023:** Launch of the “Virtualisation of work-places” project – **planned reduction of 42,000 KWh = 18 tonnes of CO₂.**
- **Year 2023:** 07.11.2023 ECOVADIS silver medal
- **Year 2023:** Verification of a GHG-CO₂-balance in accordance with DIN 14064. Base Year 2022 – 842 tonnes of carbon emissions.
- **Goal 2024:** < 450 tonnes of carbon emissions



Perspective 2026

Paul Kläs GmbH manufactures carbon-neutrally

To this end, we will continue to reduce carbon emissions as far as possible. The unavoidable emissions that still remain are to be compensated by certified projects.

The compensation volume amounts to a maximum of 30% of the CO₂ balance established in 2022.

Paul Kläs GmbH, Management board
Meinerzhagen, the 04th of March 2024

CERTIFICATE

Management system as per
DIN EN ISO 9001 : 2015

The Certification Body TÜV NORD CERT GmbH hereby confirms as a result of the audit, assessment and certification decision according to ISO/IEC 17021-1:2015, that the organization

Paul Kläs GmbH
Darmcher Grund 15
58540 Meinerzhagen
Germany



operates a management system in accordance with the requirements of ISO 9001 : 2015 and will be assessed for conformity within the 3 year term of validity of the certificate.

Scope

Manufacture and distribution of printed packaging made of cardboard, G- and F-flute, Skin- and Blistercards, Forgery proof and high finished packaging

Certificate Registration No. 04 100 041211
Audit Report No. 3531 6783

Valid from 2022-08-19
Valid until 2025-08-18
Initial certification 2004



Certification Body
at TÜV NORD CERT GmbH

Essen, 2022-07-20

Validity can be verified at <https://www.tuev-nord.de/de/unternehmen/zertifizierung/zertifikatsdatenbank>.

TÜV NORD CERT GmbH

Am TÜV 1

45307 Essen

www.tuev-nord-cert.com



Deutsche
Akkreditierungsstelle
D-ZM-12007-01-00

SWEDAC Zertifizierungsgesellschaft International GmbH hereby confirms that the owner of this certificate has established and maintains a management system according to the below mentioned standard. This was proven by auditing the company.



Paul Kläs GmbH

Darmcher Grund 15
58540 Meinerzhagen
Germany

DIN EN ISO 14001:2015

Scope:

Manufacture and distribution of printed packaging made of cardboard, G- and F-flute, Skin- and Blistercards, Forgery proof and high finished packaging

SWEDAC Zertifizierungsgesellschaft International GmbH hereby confirms that the owner of this certificate has established and maintains a management system according to the below mentioned standard. This was proven by auditing the company.



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DIN EN ISO 50001:2018

The energy management system contains all energy quantities of the above mentioned company.

Scope:

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Verifizierung

In einem Verifizierungsaudit hat die Organisation



Paul Kläs GmbH

Darmcher Grund 15
58540 Meinerzhagen
Deutschland

Den Corporate Carbon Footprint auf Basis der Daten vom 01.01.2022 bis
31.12.2022 konform erstellt wurde entsprechend der Norm

DIN EN 14064-1:2018

Die Verifizierung wurde gemäß den Vorgaben der ISO 14064-3:2019-04
durchgeführt.

Das Treibhausgasinventar umfasst die nach ISO 14064-1 definierten direkten Emissionen
und indirekten Emissionen aus importierter Energie. Weitere unter Berücksichtigung der
Kriterien zur Beurteilung der Wesentlichkeit bilanzierte indirekte Emissionen sind
ausgewiesen.

Zielsetzung der Verifizierung war eine hinreichende Sicherheit. Dafür notwendige
Informationen wurden in dem Treibhausgasbericht vom 14.11.2023 eindeutig und mit
hinreichender Sicherheit und Genauigkeit wiedergegeben.

Auf der Grundlage der durchgeführten Prozesse und Verfahren kann bestätigt werden,
dass die Aussage über Treibhausgasemissionen mit hinreichender Sicherheit richtig ist, die
relevanten treibhausgasbezogenen Daten und Informationen enthält und den normativen
Anforderungen zur quantitativen Bestimmung, Überwachung und Berichterstattung von
Treibhausgasen oder relevanten nationalen Normen der Verfahrensweise entspricht.

direkte Emissionen und indirekte Energieemissionen:
842,0289 Tonnen CO₂e

Für die Zertifizierungsstelle


Carolyn Eske

Registriernummer:

SZI-C-5287-H

Berichtsnummer:

C-23-1000

Ausstellungsdatum:

14.11.2023

CERTIFICATE

Certificate-Holder	Paul Kläs GmbH Darmcher Grund 15 58540 Meinerzhagen Germany
System	FSC® - Chain of Custody
Standard	FSC-STD-40-004
Testing-basis	Certification Scheme FSC® - Chain of Custody (2022-01)
FSC-Control-System	Transfer System
Status of Material	FSC Mix / FSC Recycled
Registration No.	TUVDC-COC-100798
Edition(s)	5. Issue
Validity	2023-12-16 - 2028-12-15
Remark(s)	The validity of this certificate as well as further details regarding the certification scope shall be verified on www.info.fsc.org .

This certificate is property of DIN CERTCO GmbH. Certificates and their copies must be returned immediately upon request of DIN CERTCO GmbH.

This certificate itself does not constitute evidence that a particular product supplied by the certificate holder is FSC-certified [or FSC Controlled Wood]. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents.

See annex for further information.



TÜVRheinland®
DIN CERTCO

Precisely Right.

A company of TÜV Rheinland Group

2023-12-15
Dr. Ina Förster
Certifier



CERTIFICATE

Certificate Holder	Paul Kläs GmbH Darmcher Grund 15 58540 Meinerzhagen Germany
Type of certification	Individual
Standard	Chain of custody of forest and tree based products – Requirements (PEFC ST 2002:2020) PEFC Trademark Rules - Requirements (PEFC ST 2001:2020)
Testing basis	Certification scheme „Chain of Custody of Forest Based Products/ Chain of Custody” (CoC) (2022-01)
Testing method	Physical Separation Method
Registration No.	DINC-PEFC-COC-000798
Validity	2023-12-16 - 2028-12-15
Remark(s)	See annex for further information



SILVER

2023

ecovadis

| Sustainability
Rating

PAUL KLAES GMBH

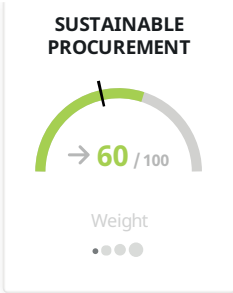
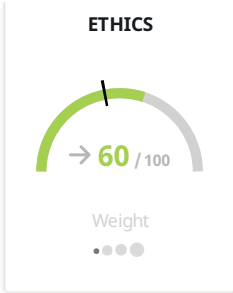
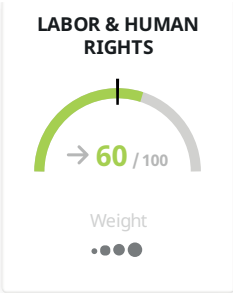
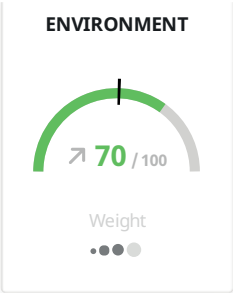
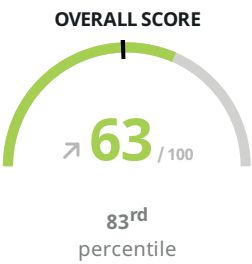
Meinerzhagen - Germany | Manufacture of other articles of paper and paperboard

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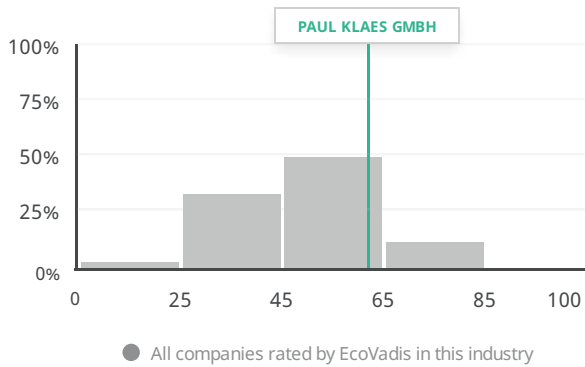


Publication date: 7 Nov 2023

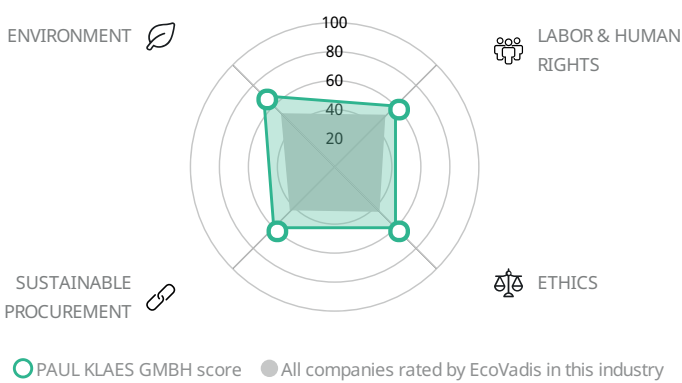
Valid until: 7 Nov 2024



Overall score distribution



Theme score comparison



ZERTIFIKAT FÜR DEN BEZUG VON ÖKOSTROM



Paul Kläs GmbH Faltschachtelwerk

bezieht zu 100 % zertifizierten Ökostrom durch die Mark-E Aktiengesellschaft.

Der mit Mark-E geschlossene Liefervertrag

gilt vom 01.09.2023 bis zum 31.12.2024

Die jährliche Liefermenge beträgt 1.085.000 kWh

Pro Jahr beträgt die CO₂-Ersparnis* 379.750 kg

*Gegenüber der Strom-Erzeugung der Liefermenge mit dem bundesdurchschnittlichen Energieträgermix (gemäß aktueller Stromkennzeichnung)

Der Grünstrom wird zu 100 % aus Erneuerbaren Energien erzeugt und ist mit dem ok-power-Siegel ausgezeichnet. Mit dem Bezug von zertifiziertem Ökostrom wird darüber hinaus der stetige Zubau neuer regenerativer Erzeugungsanlagen gefördert und somit aktiv zum Klima- und Umweltschutz beigetragen. Genaue Informationen zu allen Kriterien sind im Internet abrufbar unter www.ok-power.de.

Hagen, den 13.10.2023



Mark-E Aktiengesellschaft

i.V. 

Energie, die bewegt.

mark 