

Pleasing to the pallet

Licensed producer and repairer of WORLD Europallets
Falkenhahn AG has developed a global presence in the pallet market by maintaining tradition and focusing on innovation

The history of Falkenhahn AG steps back to 1933, when Josef Falkenhahn founded a joiner's workshop; taken over by Edmund Falkenhahn, son of the founder; in 1977, Falkenhahn continued to grow and moved into its present company premises in Bremen in 1991. Launching the exclusive production of euro pallets, which measure 800 x 1200 mm, in 1992, the company enjoyed a continued extension and increase in production capacities.

With the present day Falkenhahn AG founded in 2001, the company underwent progressive development and became an increasingly powerful pallet manufacturer in the market. In the first quarter of 2008, following 16 years of successfully producing EPAL pallets, Falkenhahn AG cemented its own future success by changing over to the WORLD pallet, a brand name for reusable pallets in the euro pallet format of 800 x 1200 mm.

At the same time as the Euro pallets were on the market, there were also other,

different Trademarks present, under which the euro pallets were being produced, however there wasn't one standard for wood pallet production. In 2016 it was placed and described by the GS1 Germany organisation.

GS1 Germany is part of the global network with member organisations in 120 countries and represents the interests of international companies from a variety of industries, which ensures that customers can leverage the GS1 solutions across national boundaries and sustainably increase their added value. Its mission is to establish the one standard on the international level for each product which satisfies the demanding of quality, technology and optical systems. Since 2014 GS1 Germany started the description of flat pallets made of wood (800 x 1200 mm) in order to develop a recommendation for the loading tools (pallets) that can be used by suppliers in various sectors of trade, industry and by service providers.

In its description are defined the quality criteria for four-way flat pallets that are made of wood taking into account logistical and functioning aspects; also the criteria for manufacturing processes, internal and external monitoring.



The main demands for the four-way euro pallets should be followed during the production process. This is undertaken according to the stringent quality control regulations in accordance with DIN standards for reusable pallets (DIN EN 13698-1) the foundation of which are the quality control specifications and the exact dimensional accuracy in the euro pallet's manufacturing process. As in fact only naturally finished and chemically treated wood should be used during manufacture and the result answers the logistic demands for the transportation of goods to any supplier. This exact DIN Standard is followed for the conventional euro pallets by all the brands EPAL, EUR, UIC and WORLD and is popular in the open exchangeable pool. The organisation also defines the production and quality auditing process of the four-way euro pallets in line with the standards. Therefore, the pallet quality classes were released which were developed on a neutral platform through industry, trade and service providers. Having described the one approach that should be complied by all the Trademarks to the Flat Pallet made of wood with dimensions 800 x 1200 mm was established one type number 99993. This Type number is the worldwide valid identification and communication standard such as the barcode, which enables smooth and efficient business processes at every point of the value chain.

Being officially accepted like a licensed Trademark under the Type description of GS1 Germany, WORLD pallets, additionally, can also be offered as an export pallet in accordance with the IPPC-Standard, ISPM15, on demand. During this process, all parasites and insects found in the wood, particularly sirix flies, will be eliminated; for this treatment, Falkenhahn AG is authorised by the Thuringia Regional Office for Agriculture under registration DE-TH1-490409. Furthermore, phytosanitary regulations for the international trade with packaging materials made out of wood was enacted within the framework of the International Plant Protection Convention (IPPC), a sub-organisation of the Food and Agriculture Organisation of the UN (FAO). For this type of pallet, heat treatment at a core temperature of 56 degrees Celsius for a minimum of 30 minutes is required; the wood package must also be labelled on two opposite sides, with a recognised identification symbol that contains a defined and protected logo from the FAO.

Viewed as an interesting alternative to the conventional EPAL pallet, the WORLD pallet has further strengthened Falkenhahn AG's

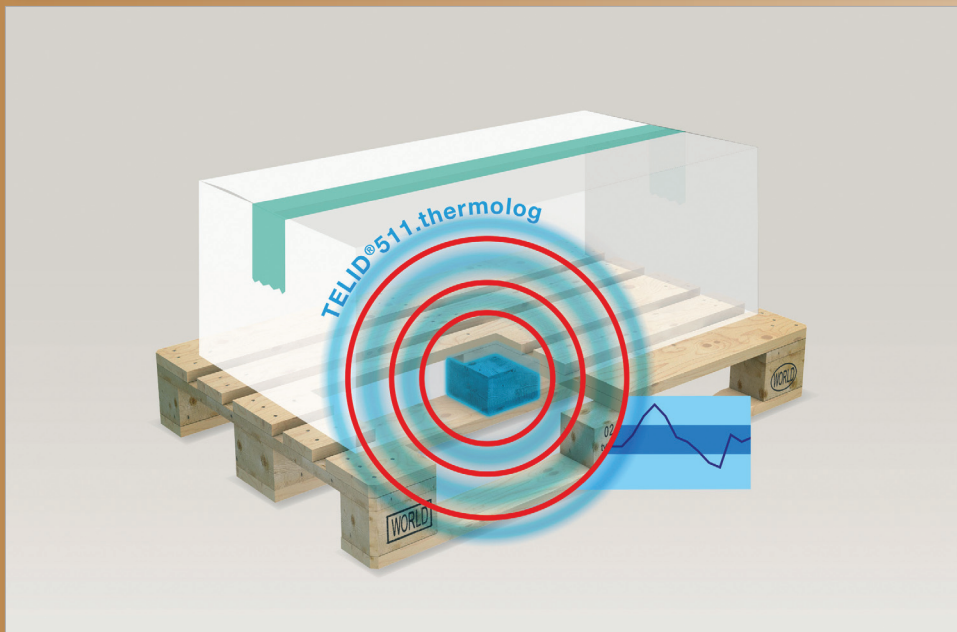
- > **Licensed production & repair all over the World**
Licensor: WORLD PALLET AG
- > **External independent 3rd party Quality audit**
in Europe: SGS Germany / in America: Timber Inspections
- > **Exchangeable according to GS1 Quality classification**
WORLD is the certificated Pallet Organization
- > **Reusable pallets, exchangeable pallets**
according to DIN EN 13698-1



reputation as the first point of contact for those seeking high quality pallets and pallet management. In fact, the brand mark WORLD, a globally recognised judicata registered trademark for euro pallets, is renowned for ensuring superior quality standards during production. These pallets are returnable, reusable and exchangeable and have a lower load range of 6000 kg, with full surface stacking.

Further advancing the WORLD pallet range in 2012, Falkenhahn AG integrated an RFID transponder that was invisible in euro pallets, the use of which allows the automated identification of the pallets without visual contact between the pallets and reader. This development makes Falkenhahn AG the first manufacturer of standard euro pallets that can be equipped with RFID technology. The benefits of this product include error-free identification without sight of pallets and goods, automatic inventory and warehouse management, which results in a faster inventory, reliable positioning when it comes to the location of pallets and goods; on time recording of goods and movement through tracking, a safe monitoring system of all logistic activities

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and enhancements in efficiency, which thus results in cost savings for the customer.

Another major product for the company, launched in mid 2013, are the second generation WORLD RFID pallets; this has two RFID transponders in the corner blocks in accordance with the GS1 RTI Guideline, which results in 100 per cent detection at even greater distances. WORLD RFID pallets comply with DIN EN 13698-1, with field tests

confirming the robustness of range and the transponder. Indeed, even high loads affected by cold, moisture and vibrations do not cause issue between the pallet and readers; this benefit makes WORLD RFID pallets suitable for all industries that require pallet logistics.

Other advantages of the WORLD RFID pallet include damage resistance, dirt resistance; tamper resistance, legibility during transportation on forklift trucks, large storage capacity in a small area and an extremely high carrying capacity of the RFID pallet or transponder.

To further strengthen the capabilities of its WORLD RFID pallets, Falkenhahn AG has developed WORLD ShockLog pallets for the impact monitored quality logistics for electronic equipment, artwork, pharmaceutical products and foodstuffs. The tamper-proof data loggers document acceleration forces, impacts, tilting and inclination angles and is integrated into identifiable WORLD RFID pallets. Suitable for goods that are sensitive against mechanical stress during transportation, features of the RFID shock event logger include communication in accordance with ISO 18000-6c/EPC Global G2, a unique ID programmer, operating modes of event, stop and full and extensive analysis software. Another product available to customers is the WORLD-ThermoLog pallets, which monitor units for temperature-controlled logistics; the temperature ranges from -35 degrees Celsius to 85 degrees Celsius, with measuring intervals ranging from one minute to 24 hours. Thermologger is also tamper proof, has a high level of mechanical damage resistance and has the operating modes: limit watch, stop full or roll-over.

Today a global player in the pallet market, Falkenhahn AG is not only an exclusive licensee of the WORLD pallet in Europe, a pioneer manufacturer of pallets with ISO-Certification and an authorised economic operator (AEO), but also offers price leadership thanks to its optimal production efficiency. Indeed, the company has regularly invested in the continuous optimisation of high-tech pallets production and the further development of innovations to ensure 100 per cent quality guarantees on MCH capability (machine-operated, conveyor-compatible, high-rack bearing) as well as just-in-time reliability. The production site includes enormous dry kilns capacities, with production capacity for ten million pallets per annum as well as an ultra-modern, fully automated manufacturing area.

Moving forward, the ever dynamic and innovative Falkenhahn AG is now focusing on combining euro pallet two technologies together with SchockLog and ThermoLog into one product. With further product developments on the horizon, Falkenhahn AG is certain to maintain its long-standing reputation as an expert in the world of pallets, high-tech manufacturing technology and the go-to company for pallets and pallet management services. 🌀

For more detailed information about Trademark WORLD please check www.world-pallet.com or the webpage of its biggest and most powerful Pallets Manufacturer Falkenhahn AG www.falkenhahn.eu.



Falkenhahn AG

Products:
Manufacturer of pallets

www.falkenhahn.eu/en

FALKENHAHN AG



Euro Pallets according
GS1 Asset type 99993

Falkenhahn AG

Auf der Hopfel, D-36419 Geisa OT Bremen, Germany
Phone: +49 (0) 36967 / 677-0 • Fax: +49 (0) 36967 / 677-30
Net: www.falkenhahn.eu • E-mail: info@falkenhahn.eu