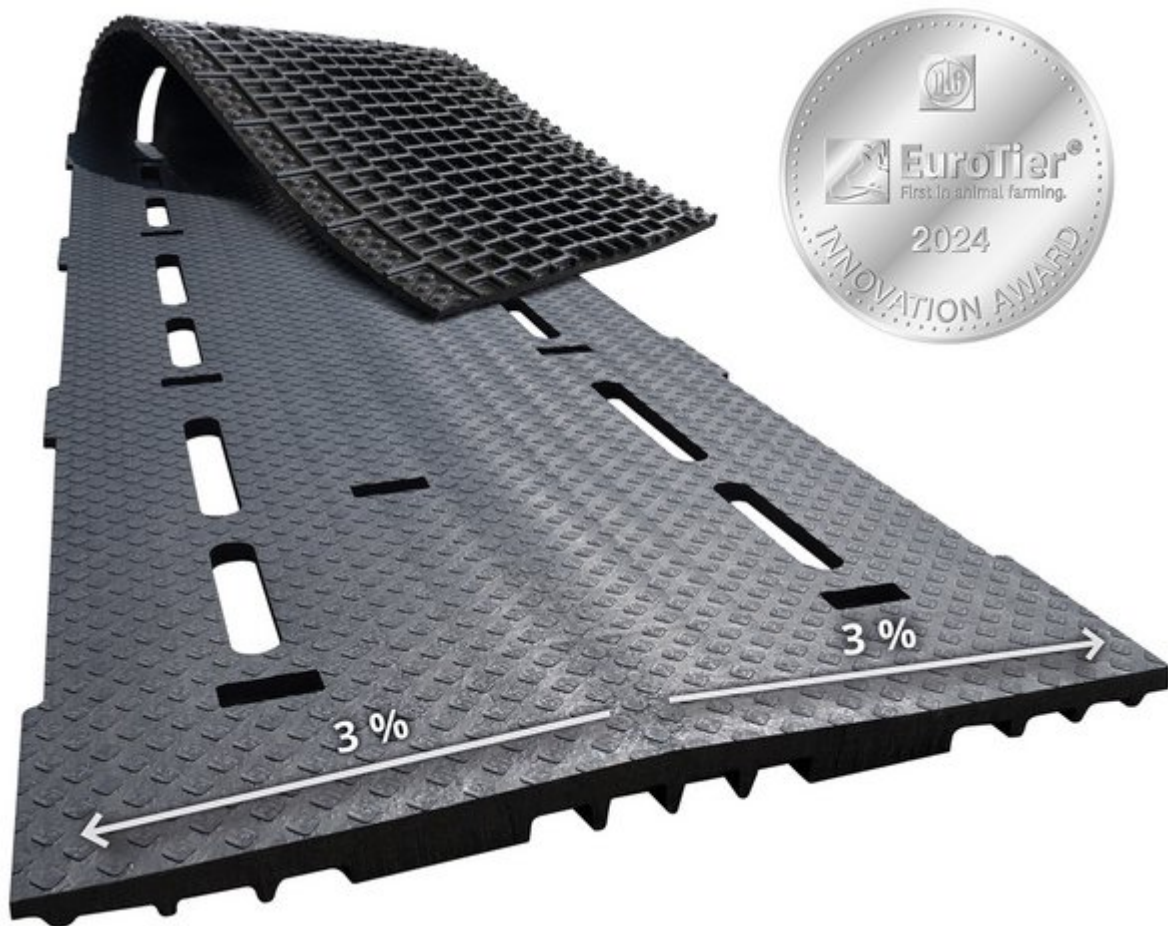


KRAIBURG espaFLEX: Rethinking slatted floors

Tittmoning, 31 August 2026

With espaFLEX, KRAIBURG combines animal-friendly walking comfort on slatted floors with a flexible design of the slatted area and integrated drainage. The innovative slatted flooring supports dry hooves, safe cow movement and a reduction in ammonia emissions.

Slatted floors are a proven construction concept in many dairy barns. At the same time, they place particular demands on animal comfort, slip resistance, cleaning and emission reduction. With **espaFLEX**, KRAIBURG offers an innovative slatted flooring solution that rethinks slatted floors: the system combines an **animal-friendly soft walking surface that is gentle on hooves with a flexibly configurable slit pattern** and **reliable drainage of liquids**. KRAIBURG received the **Silver Innovation Award at EuroTier 2024** for this forward-looking solution.



espaFLEX slat mat with a slope on both sides and a flexible slit pattern © KRAIBURG Elastik

Variable slit design for demand-oriented solutions

The unique construction of espaFLEX makes it possible to flexibly configure and significantly reduce the slitted area of an existing or new slatted floor. This allows the **slurry pit below to be partially covered** – an important measure for **reducing ammonia**

release.

Depending on the intensity of use, areas with varying slitted proportions can be implemented. This **allows for zoning**: heavily used walking areas can be designed differently from less frequently used areas. Designs ranging from a very low slitted area to drainage openings at the joints between the mats are also feasible. This allows the slitted area to be reduced to around 2 %.



The slit coverage can be designed flexibly © KRAIBURG Elastik

Integrated slope for reliable drainage

Despite the reduced proportion of slits, reliable drainage of liquids is maintained. An **slope** of around 3 % **integrated into both sides of the mat** directs urine and other liquids specifically towards the drainage areas. This allows the walking surface to dry more quickly – a benefit for **barn hygiene and hoof health**.

The rapid drainage of urine also reduces the mixing of feces and urine on the walking area. In this way, espaFLEX helps to create the conditions for **reduced ammonia formation** in the barn.



Animal-friendly soft, dry walking areas promote animal welfare and environmental protection © KRAIBURG Elastik

Comfort and slip resistance for dairy cows

Despite all the benefits for barn management and the environment, **animal welfare** remains the focus. The 18 - 33 mm thick rubber mat with an air-cushion profile on the underside provides **consistent, hoof-friendly softness** and thus creates pleasant walking comfort. The surface structure with a square pattern supports **good footing and slip resistance**, even in heavily used walking areas. The mats are easily fixed in the slits using proven rubber pegs.

At the same time, espaFLEX is designed for cleaning with suitable **robot scrapers**. This makes it possible to combine animal comfort, hygiene and the requirements of modern manure removal systems in one concept.



espaFLEX offers consistent, hoof-friendly softness and good slip resistance © KRAIBURG Elastik

Certified quality for slatted floors

espaFLEX can be used with different slatted floor geometries and can also be retrofitted to renovate existing slatted floors. The system meets the requirements of DIN 3763, as confirmed by the **DLG** in test report 7482.

With espaFLEX, KRAIBURG offers a practical solution for dairy farms looking to further develop their slatted floors: for dry, safe and comfortable walking areas - and for a barn design that effectively combines animal welfare and environmental protection.



espaFLEX – for dry, safe and comfortable walking areas © KRAIBURG Elastik

Further information:

Guide [Rethinking slatted floors](https://kraiburg-elastik.com/guidance/expert-knowledge/rethinking-slatted-floors/) <https://kraiburg-elastik.com/guidance/expert-knowledge/rethinking-slatted-floors/>

Information on [Slatted floor rethought](https://kraiburg-elastik.com/espaflex-slatted-floor-rethought/) <https://kraiburg-elastik.com/espaflex-slatted-floor-rethought/>

Product [espaFLEX](https://kraiburg-elastik.com/products/dairy-cattle/espaflex/) <https://kraiburg-elastik.com/products/dairy-cattle/espaflex/>

Press information [Dry walking areas, fewer emissions](https://kraiburg-elastik.com/company/press/dry-walking-areas-good-for-hooves-barn-hygiene-and-the-environment/)

<https://kraiburg-elastik.com/company/press/dry-walking-areas-good-for-hooves-barn-hygiene-and-the-environment/>

Press information [Soft walking, safe footing](https://kraiburg-elastik.com/company/press/soft-walking-safe-footing-what-makes-for-animal-friendly-walking-areas/) <https://kraiburg-elastik.com/company/press/soft-walking-safe-footing-what-makes-for-animal-friendly-walking-areas/>

Guide [Healthy hooves](https://kraiburg-elastik.com/guidance/expert-knowledge/healthy-hooves-thanks-to-rubber-mat-with-slope/) <https://kraiburg-elastik.com/guidance/expert-knowledge/healthy-hooves-thanks-to-rubber-mat-with-slope/>

Guide [Emission reduction](https://kraiburg-elastik.com/guidance/expert-knowledge/reducing-emissions/) <https://kraiburg-elastik.com/guidance/expert-knowledge/reducing-emissions/>

Guide [Optimal walking areas](https://kraiburg-elastik.com/guidance/animal-welfare/optimal-walking-areas-in-dairy-barns/) <https://kraiburg-elastik.com/guidance/animal-welfare/optimal-walking-areas-in-dairy-barns/>

Guide [Effects of lameness](https://kraiburg-elastik.com/guidance/economic-efficiency/lameness/) <https://kraiburg-elastik.com/guidance/economic-efficiency/lameness/>

Guide [Hoof trimming](https://kraiburg-elastik.com/guidance/animal-welfare/hoof-health/) <https://kraiburg-elastik.com/guidance/animal-welfare/hoof-health/>

Image package for this press information: [Download image package](https://lomodision134.owncloud.online/s/61m6MobXTSmAjhQ) <https://lomodision134.owncloud.online/s/61m6MobXTSmAjhQ>

Use of images

The images may only be used free of charge in an editorial context relating to KRAIBURG Elastik, provided that the image credit 'KRAIBURG Elastik' is included. Any other use requires prior written consent. Please send a copy or a link to the publication.

About KRAIBURG Elastik

Gummiwerk KRAIBURG Elastik GmbH & Co. KG has been developing and manufacturing elastic rubber flooring for cattle and horse housing since 1968. In Tittmoning, Germany, around 200 employees combine experience in rubber processing with practical product development. The aim is to support animal welfare, safety, performance and efficient barn management with innovative solutions. The DIN-compliant products are tested in the company's own laboratory, in test barns and by independent institutes. KRAIBURG Elastik holds the DLG quality seal 'CONTINUOUS MONITORING'. The barn flooring specialist is committed to resource-saving production and repurposes tire rubber as a raw material for robust flooring. The company is part of the KRAIBURG Group.

Press contact

Gummiwerk KRAIBURG Elastik GmbH & Co. KG
Petra Ertl
Marketing & Communications
Mobile: +49 173 5871 125
Email: petra.ertl@kraiburg-elastik.de