



# RUBBER FLOORING FOR DAIRY CATTLE PRODUCT OVERVIEW



## LYING AREAS IN FREE STALL BARN

### More animal welfare & less work

A stable high milk yield requires animal-friendly housing methods. For the lying area, this means **comfortable, non-slip and clean free stalls**, where cows are happy to spend more than 12 hours in a relaxed position. This protects the joints, relieves the hooves and enhances animal welfare.

### KRAIBURG lying area mats are:

- ✓ Robust and permanently soft
- ✓ Skin friendly and gentle on the joints
- ✓ Slip resistant
- ✓ Easy to maintain
- ✓ Easy to install
- ✓ Also suitable for outdoor areas

### Improved joint health



175 %  
more healthy joints



74 %  
fewer injuries

after 15 months on KEW Plus

Source: Mathis, 2006



### Less bedding and maintenance



Ø 85 %  
less straw



Ø 2.8 hrs.  
less work

per cow and year

(compared to a deep bedded stall with straw)

Source: Heidenreich, 2007





# WALKING AREA MATS

Optimal walking areas in dairy barns – for over 20 years...



## Safety & healthy hooves

KRAIBURG walking area mats are specially designed to meet the natural needs of cattle: It is **soft and animal friendly, thereby improving hoof health and sure-footedness**. The cows express their gratitude through increased activity and enhanced performance. Lamefree cows are more fertile and have a positive impact on work and costs. **Animal-friendly walking areas pay for themselves!**

## KRAIBURG walking area mats are:

- ✓ Soft and animal & hoof friendly
- ✓ Slip resistant
- ✓ Solid & robust
- ✓ Noise and stress reducing
- ✓ Easy to install



**Improved hoof health**

↓

**78 %**

**less hoof damage**

after 12 months on KURA S  
(compared to a concrete slatted floor)

Source: Benz, 2002



**Higher milk yield**

↑

**approx. 3.3 %**

**more milk per year**

due to improved walking comfort

Source: Eelkema et al., 2004

# Quality from Germany – your key to success!

## Our real-world experience is your advantage!

Using a unique process, we have been developing and producing innovative and high-quality rubber mats for animal husbandry since 1968. Our team of over 200 people in Tittmoning / Germany combines rubber expertise with specialist knowledge of animal husbandry to cement our place as a leading global supplier.



## Quality control

Our products are fully tested both at our in-house laboratory and in test barns. Furthermore, we have them certified by the German Agricultural Society DLG (see results at dlg.org).

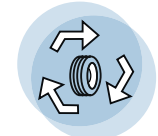
## Pioneer in transparency

In order to ensure our effective quality, energy and environmental management at all times, we are certified to the globally recognized standards ISO 9001, ISO 50001 and ISO 14001.

We were the first company to be awarded the DLG Quality Seal CONTINUOUS MONITORING! This involves regularly reviewing the entire manufacturing process – from raw material to finished product. Our environmental compatibility is also monitored by the PAH test to standard DIN 3762.



**ANIMAL WELFARE AND ENVIRONMENTAL PROTECTION GO HAND IN HAND**  
From the raw material to the cow!



## Reasonable upcycling and sustainable procurement

Tires are an **ideal raw material**: Until quite recently they were ensuring your road safety. Now, with only a few millimeters of tread worn away, they are transformed into durable products for animal husbandry that retain the **key properties of the original tire (form stability, elasticity, abrasion resistance)**. Tire rubber contains lots of **valuable natural rubber** and can thus be **recycled in an ecologically sound way**. In accordance with the "EU Regulation on Deforestation-Free Supply Chains" (EUDR), our products are proven not to be associated with deforestation and forest degradation.



## Transparent testing for relevant pollutants

As part of the DLG Quality Seal CONTINUOUS MONITORING, the products are subjected to a PAH test (test method according to standard DIN 3762), which we were **the first to pass with flying colours!** The decisive factor is whether or not PAHs from the products are released into the environment or not. This comes down to the plasticizer.

**Instead of mineral plasticizer oils we use vegetable oils from European cultivation!**



## Reducing ammonia emissions

Our rubber mats **specially developed to reduce emissions** are soft and animal friendly, while providing the **necessary grip** and ensuring **dry hooves!**

Your **KRAIBURG** specialist dealer:



» [kraiburg-elastik.com/dealer-locator](http://kraiburg-elastik.com/dealer-locator)



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# Overview: The most important KRAIBURG lying area mats

Our mattresses specially developed for the lying area have proven themselves millions of times over in practice. We offer suitable lying mats in **various comfort levels** to meet every requirement.

One thing all our products have in common is the **proven KRAIBURG quality**, which always shines through after many years of use in barns: Our robust mats **remain form stable and permanently soft**.

Apart from the optimal lying comfort, it is the **details** that you may not notice at first glance **that make all the difference**.

## Proven surface

- › With good grip but not rough
- › For good cleanliness and slip resistance
- › Supports the build-up of an organic layer

## Integrated slope

- In the rear area
- › Promotes surface drying

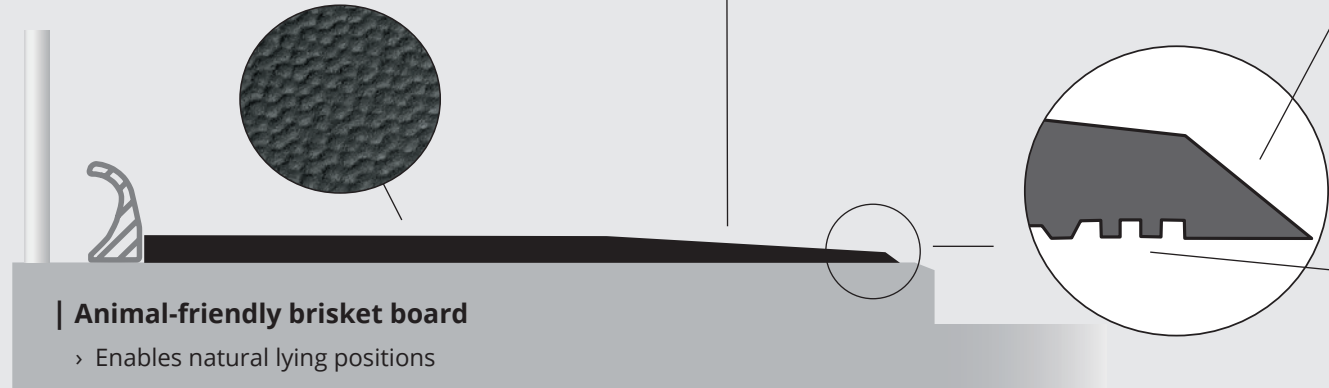
## Rear edge

- › Chamfer
- › Protects joints
- › No stumbling edge

## Animal-friendly brisket board

- › Enables natural lying positions

- › Sealing lips / Dirt barriers
- › Reduce the amount of soiling



	Elevated stall dairy cattle OUR SOFTEST ONES		Elevated stall dairy cattle JOINTLESS SOFTNESS	Elevated stall dairy cattle / young cattle EXCEPTIONAL IN COMFORT & VERSATILE IN APPLICATION			Brisket boards THE GENTLE LIMITATION	Deep bedded stall THE DEEP BEDDED STALL CUSHION
	KEW Plus / KEW Plus TarsaCare	WINGFLEX	Softbed LongLine	WELA	KKM	KIM	ergoBOARD / maxiBOARD	POLSTA
<b>Thickness</b>	ca. 6 / 7 cm	ca. 6 cm	ca. 5 cm	ca. 5 cm	ca. 3 cm	ca. 3 cm	Height: ergoBOARD: 18.5 cm maxiBOARD: 11 cm	ca. 10 cm
<b>Lower side / composition</b>	3-layer composition	Wing profile	2-layer composition	Blade profile	Honeycomb profile	Air cushion profile	Rubber brisket boards	2-layer composition
<b>Comfort</b>								
<b>Special features</b>	Ideal softness for all load conditions  Also available in XL lying length for more freedom when lying, lying down and getting up  <b>KEW Plus TarsaCare:</b> extra soft and pliant hock zone	Optimally adapts to the lying cow  The supporting studs provide the required firmness for punctual loads (getting up, lying down)  Also available in XL lying length for more freedom when lying, lying down and getting up	Jointless and durable softness for all load conditions  Smart roll design: slope and dirt barriers are integrated into the upper mat	Adapts to the shape of the body	The classic soft mat	Flexible and robust  Also available in XL lying length for more freedom when lying, lying down and getting up	Perfectly complement the control devices of the free stall  Enable cows to lie down comfortably and adopt natural lying positions, e.g. with an outstretched foreleg	Upper mat with large air cushions keeps the layer of bedding in place particularly well  Lower mat with blade profile for ideal cushioning of punctual loads when getting up or lying down
<b>Options</b>	Single mat with connecting bar or LongLine continuous roll system	Single mat with connecting bar	LongLine continuous roll system	Single or puzzle mat or LongLine continuous roll system				

For more information, such as dimensions, tolerances etc. as well as other products please refer to [kraiburg-elastik.com](http://kraiburg-elastik.com).



**KRAIBURG warranty:**  
KEW Plus / Softbed LongLine: rubber 10 years, foam 5 years  
WINGFLEX / WELA / KKM / KIM / POLSTA: 10 years  
profiKURA / profiDRAIN / KURA / KARERA / espaFLEX: 5 years

# Overview: The most important KRAIBURG walking area mats

Our mats specially developed for the walking and milking area are meticulously thought out down to the smallest detail and have proven themselves millions of times over in practice.

- | **The ideal product for every area in the barn**
  - › Custom-fit puzzled mats for paved surfaces
  - › Custom-made for slatted floors
- | **Solid and thick mats**
  - › Long-term dimensional and form stability
- | **Puzzle compensates for thermal expansion**
  - › Virtually jointless floor areas
- | **Compatible with vehicle traffic**
- | **Suitable for new constructions and renovation projects**

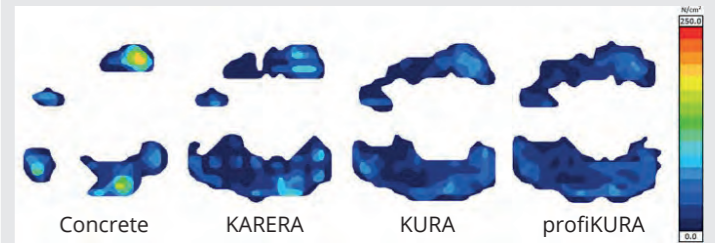
## The ideal product to meet every requirement

One thing all our walking area mats have in common is the proven KRAIBURG quality and near-natural softness – with deformability of 2 to 5 mm.

But our walking area mats can do a lot more besides: We offer mat types for optimized hoof abrasion and extra grip as well as special mats for even drier hooves that also help to reduce emissions.

## KRAIBURG rubber flooring relieves the hooves

As the hoof sinks in, pressure peaks on rubber flooring are effectively diffused in contrast to concrete.



Source: Oehme et al., 2018

	DRIER WALKING AREAS & FEWER EMISSIONS			HOOF ABRASION & IMPROVED GRIP	THE PROVEN „ALL-ROUNDER“	UNIVERSAL BASIC COMFORT
	profiKURA 3D	profiDRAIN	espaFLEX	profiKURA	KURA	KARERA P
<b>Thickness</b>	15 mm	30 mm	18 mm	19 mm	19 mm	18 mm
<b>Comfort</b>						
<b>Special features</b>	<b>3 % slope toward the center of the walking alley</b> <ul style="list-style-type: none"> <li>› Ensures dry hooves</li> <li>› 44 % less ammonia<sup>1)</sup></li> </ul> <b>optiGrip surface</b>	<b>Cambered surface with slope toward the drain channel</b> <ul style="list-style-type: none"> <li>› Ensures dry hooves</li> <li>› 61 % less ammonia<sup>2)</sup></li> </ul> <b>optiGrip surface</b>	<b>Integrated slope from the center of the mat to the edges</b> <ul style="list-style-type: none"> <li>› Assured drainage</li> <li>› Reduces ammonia release</li> </ul> <b>Simple slit reduction thanks to variable slit cover</b>	<b>optiGrip surface with abrasive corundum</b> <ul style="list-style-type: none"> <li>› Ensures excellent slip resistance</li> <li>› Supports the correct hoof form</li> </ul> Particularly recommended if a smear layer can form easily	<b>The classic mat since 2002</b> <ul style="list-style-type: none"> <li>› Animal-friendly softness</li> <li>› Certified grip</li> </ul>	<b>Basic product</b> <ul style="list-style-type: none"> <li>› Simple and solid mat</li> </ul>
<b>Application area</b>	Walking alley with manure removal system › up to 4 m width	Walking alley with scraper manure removal	For every slatted floor geometry	Walking areas with / without manure removal system, slatted floor	Slope up to max. 3 %	All paved walking areas
				<b>Slope up to max. 6 %</b>		<b>Slope up to max. 3 %</b>

Please refer to the relevant KRAIBURG specifications and installation instructions, which provide valuable hints and tips. Get them from your KRAIBURG specialist dealer or at [kraiburg-elastik.com](http://kraiburg-elastik.com).

The products featured here are exclusively intended for the demonstrated applications. Technical details subject to change. Our General Terms and Conditions apply. Legal basis is the German version of the document.

<sup>1)</sup> compared to a concrete floor with rubber covering and a 1 % slope (44 % mean value, 78 % maximum value; data source: ANECO, results report number: 70198-001 of May 2, 2024) (44 % less ammonia according to Monteny Milieu Advies, August 2021: Model-based assessment of the reduction potential for NH<sub>3</sub>-emission of the innovative solid floor KRAIBURG – profiKURA 3D, based on, among others, Zähner et al., 2017)

<sup>2)</sup> compared to a level concrete floor (61 % mean value, 70 % maximum value; data source: ANECO, results report number: 70198-002 of May 16, 2024)