

We market our products in many countries of the world. Again and again we and our partners in the field receive interesting reports from dairy farmers and scientists. We are happy to process this information to you and hope that you will find it helpful. Send us your suggestions – we count on them to help us give you a better product!

Many thanks, your KRAIBURG Team

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SOFT WALKING AREAS: METABOLISM AND IMMUNE SYSTEM

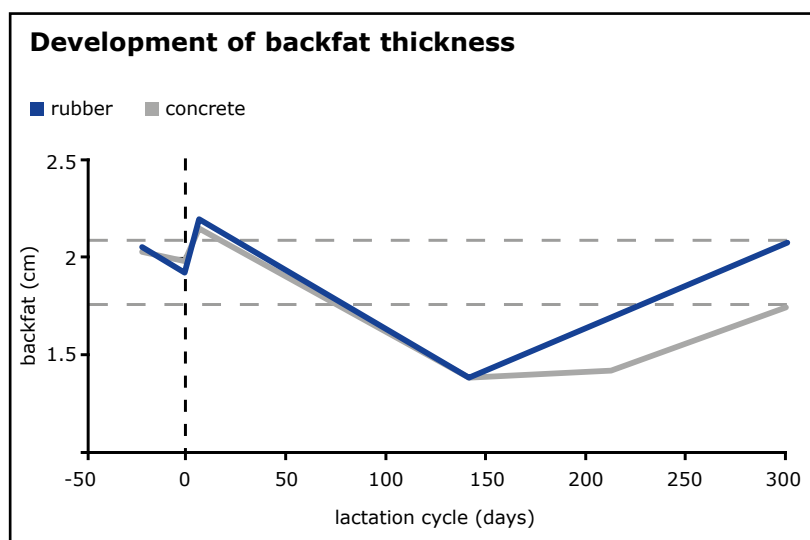
Research by the veterinary faculty in Munich:¹⁾

over a period of 18 months 3840 backfat thickness measurements compared:

- 41 cows kept on **concrete slats** to
- 41 cows kept on **rubber covered slatted floors** (pediKURA® S system)



The development of backfat thickness indicates the **condition** of the animals (positive / negative energy balance during lactation)



Rubber:

backfat decreases until about 140 days after calving, then increases again
 ▶ **cows retain their initial condition** by the next calving

Concrete:

backfat decreases until about 140 days after calving, too, but rebuilding fat reserves is significantly slower
 ▶ **cows do NOT retain their initial condition** by the next calving

Results:

on rubber:

- 29 days less from calving-to-insemination
- 37 days less from calving-to-conception

about 1 month shorter calving interval!

heat detection rate:

- concrete: 55.0 %
- rubber: 75.6 %

about a 20 % higher heat detection rate on rubber!



A 2013 study in the US provided comparable results²⁾

It could be proven when keeping on rubber:

- more milk fat and milk protein
- fewer claw treatments ▶ improved locomotion score
- fewer indications of inflammation in the blood (e.g. fewer leucocytes)



you will find **further** interesting **practical** experiences at:
www.kraiburg-elastik.com

Sources:

¹⁾ Werny R.: „Einfluss elastischer Spaltenbodenaufgaben im Boxenlaufstall auf die Fruchtbarkeit und Energiebilanz laktierender Kühe“, 2014

²⁾ Eicher S. D.: „Effects of rubber floorings during the first 2 lactations on production, locomotion, hoof health, immune functions, and stress“, 2013

