

DLG Test Report 7471

AN PHU Rubber Corporation (APRUBBER)
Ho Chi Minh City, Vietnam

Two Layer Mattress for Dairy Cows

Deformability/Elasticity, Permanent Tread Load, Abrasion



**AN PHU RUBBER CORPORATION
TWO LAYER MATTRESS
FOR DAIRY COWS**

- ✓ Deformability/Elasticity
- ✓ Permanent Tread Load
- ✓ Abrasion

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Overview

A test mark “DLG-APPROVED for individual criteria” is awarded for agricultural products which have successfully fulfilled a scope-reduced usability testing conducted by DLG according to independent and recognised evaluation criteria. The test is intended to highlight particular innovations and key criteria of the test object. The test may contain criteria from the DLG test scope for overall tests, or focus on other value-determining characteristics and properties of the test

subject. The minimum requirements, test conditions and procedures as well as the evaluation bases of the test results will be specified in consultation with an expert group of DLG. They correspond to the recognised rules of technology, as well as scientific and agricultural knowledge and requirements. The successful testing is concluded with the publication of a test report, as well as the awarding of the test mark which is valid for five years from the date of awarding. The DLG Approved Test “Deformability/Elasticity, Permanent Tread Load, Abrasion” includes technical measurements on test stands of the DLG Test Center. The deformability, the elasticity and the abrasion were measured and a permanent tread load was applied. The test was based on the DLG Testing Framework for elastic stable flooring, as of December 2018 and DIN 3763:2022-08 (Elastic floorings for cattle and dairy cows walking and rest surfaces – Requirements and testing). Other criteria were not investigated.



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Test results

The cow mattress tested here, an elastic floor covering for the resting area in cubicle houses, was investigated with regard to durability and comfort properties on test stands in the DLG Focus Test. The deformability and elasticity of the cubicle mat, the abrasion resistance, the slip resistance, the acid resistance were measured and a permanent tread load was applied.

Requirements of DIN 3763 are fulfilled.

Deformation and Elasticity corresponds to class 3 DIN 3763.

DLG QUALITY PROFILE	Evaluation*
Deformability and elasticity in new condition	■ ■ ■ ■ ■
Deformability and elasticity following endurance test	■ ■ ■ ■ ■
Lasting deformation following endurance test	■ ■ ■ ■ ■
No noticeable wear following endurance test	■ ■ ■ ■ □
Abrasion/Wear resistance	■ ■ ■ □ □

* DLG Evaluation range:

■ ■ ■ or better = meets, exceeds or significantly exceeds the established DLG standards, ■ ■ = meets the legal requirements for marketability, ■ = failed

Manufacturer and contact information

Manufacturer and Applicant

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