

Wilson Agri

Duo Supreme Mattress

Deformability/Elasticity, Permanent Tread Load



**WILSON AGRI
DUO SUPREME MATTRESS**

- ✓ Deformability/Elasticity
- ✓ Permanent Tread Load

DLG Certificate 7604

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.



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Test criteria: Permanent tread load, deformability and elasticity before and after permanent tread load test
Test basis: DLG Testing Framework for elastic stable flooring 2018-12 and DIN 3763:2022-08.

Test results

DLG QUALITY PROFILE			Evaluation*
Deformability and elasticity	in new condition	34.6 mm	■ ■ ■ ■ ■
following endurance test	nach Dauertrittbelastung	42.3 mm	■ ■ ■ ■ ■
Pressure (load on the carpal joint)	in new condition	7.7 N/cm ²	■ ■ ■ ■ □
	following endurance test	6.2 N/cm ²	■ ■ ■ ■ □
Lasting deformation	following endurance test	18,66 mm	■ ■ ■ □ □
Wear/damage – top cover	following endurance test		■ ■ ■ □ □
Wear/damage – filling layer	following endurance test		■ ■ ■ ■ ■

* The DLG test framework specifies the following evaluation range:
■ ■ ■ or better = meets, exceeds or clearly exceeds the specified DLG standard,
■ □ = meets the statutory requirements for marketing the product, ■ = failed

The requirements of the DLG test framework and DIN 3763 have been met. Deformability and elasticity comply with Class 4 according to DIN 3763.

Manufacturer- and Productinformations

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Three-layer, continuous mattress system “Duo Supreme Mattress” designed for use in the lying area of cattle and dairy cows.

- Top cover: black top cover, approx. 4 mm thick, made of latex-coated geotextile with a slip-resistant surface
- Middle layer: green PU foam underlay with a density of 160 kg/m³ and a thickness of approximately 30 mm
- Bottom layer: red PU foam underlay with a density of 200 kg/m³ and a thickness of approximately 40 mm
- Total thickness: approximately 70 mm
- Shore A hardness of the top cover: approximately 72



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