

Surface - Standard

	<p>Oil wax natural optic or Oil wax Raw optic Natural oxidative drying with oxygen from the air</p>	<p>Absolutely free of harmful substances</p>
	<p>Bären-quality-sealing 7-times „ANTI-SCRATCH“ UV-hardened with 100 % solids content</p>	<p>High abrasion and scratch resistance (strain-class „C“ = suitable for objects) suitable for castor chains according to ÖNORM „EN 425“</p>
	<p>Untreated (sanding corn 150) (only at order)</p>	

Surface - Trends

	<p>brushed surface strong brushed surface</p>	<p>Structured surface available for OAK, SMOKED OAK, SMOKED ZIRNOAK, ASH, ELM</p>
<p>Bevel 2 mm</p>	<p>STANDARD BEVEL 2 mm</p>	<p>Bergland-bevel 2-sided (lengthwise) or 4-sided (lengthwise and crosswise) gives the board a special character. The bevel is measured over 2 joined planks. 1 plank has half the value.</p>
<p>Bevel 4 mm</p>	<p>BEVEL 1 mm to 4,0 mm possible Delivery time on inquiry 30 % deposit at order</p>	<p>Bergland-bevel 2-sided (lengthwise) gives the board a special character. The bevel is measured over 2 joined planks. 1 plank has half the value.</p>
	<p>BEVEL 2 mm 4-sided lengthwise and crosswise Delivery time on inquiry 30 % deposit at order</p>	<p>Bergland-bevel 4-sided gives the board a special rustic character. The bevel is measured over 2 joined planks. 1 plank has half the value.</p>
	<p>Pigmented surface</p>	<p>Depends on woodtype and collection available in surface oil wax and varnished, delivery time and design on inquiry, only partly on stock</p>



Oil | wax - natural optic

Natural-oxidative-drying with oxygen from the air

Bergland-Parkett with ecological oil | wax is treated with absolutely environmentally and health friendly products. As a primer a wax oil is used, which is unpolluted as well as water- and dirt-repellent, like the oil | wax used after drying.

Ingredients: natural and modified plant oils, waxes and resins, disaromatised dilution, matting-finish additives, drying agents, free of terpenes. The oxidative dried surface is absolutely solvent-free.

Description: transparent wax oil produced on the basis of natural oils and waxes, is water- and dirt repellent according to DIN 68861 1B. A hard-wearing surface results, which is diffusible and prevents electrostatic charge. It works surface-hardened, is diffusible and prevents electrostatic charge.

Security advice: Bergland-oil is no dangerous formula in terms of the Austrian Chemicals Act from 25.6.1987. However, the known safety measures must be noticed while handling low-emission products. Oil | wax parquet holds the wood protection in the surface of the wood - this is living on pure wood!



Advantages of the oil | wax surfaces

- Bergland-Parkett surfaces are ready to install and after the mandatory first care with Clean&Polish, they are well protected and ready to use.
- The floors are diffusible, easy to repair, environmentally compatible and especially pleasant when touching – you can feel the wood.
- Oil | wax surfaces are oxidative dried, exclusively with oxygen from the air.
- Oil | wax surfaces have a uniformly embellished appearance due to the special treatment and they preserve the structure of the wood.
- With optimal care, oil | wax floors are long-lasting and well able to regenerate.

Attention

Oil | wax-surfaces are water-repellent but not waterproof.
Liquids and water have to be removed immediately due to the risk of damage.



Oil | wax - natural optic

Natural-oxidative-drying with oxygen from the air

Contents - oil | wax (product description)

Oil wax	Ingredients	Modified oils, waxes and resins, drying agents
	Description Application	Oil wax is produced on the basis of natural oils and waxes, is water-repellent according to DIN 68861B. A hard-wearing surface results, which is diffusible and prevents electrostatic charge. Oil wax preserves the wood in its natural way and is especially suitable for fine pored wood types like beech, alder, cherry etc. used in the interior area. The oxidative dried surface is absolutely solvent-free.
	Pretreatment	Graded sanding of the wood corn: 120 150 (final sanding 150) Wood moisture of approx. 8 % ± 2 %. (according to ÖNORM B 3000, part 6)



7-times Bären-quality-sealing

ANTI-SCRATCH UV-hardened with 100 % solids content

The surface treatment of the parquet has an essential impact on the lifetime and therefore the beauty of your wooden floor. Accordingly, the standards for a good sealing system are very high. Bergland-Parkett's specially developed Bären-quality-sealing penetrates deeply into the wood, fills in the pores and therefore achieves an extreme adhesion on the wood itself. Due to the elasticity of the new 7times Bären-quality-sealing with ANTI-SCRATCH-basic materials, an extremely high abrasion resistance and scratch resistance occurs, with an object suitability of the grade "heavy used floors".

The new Bären-quality-sealing is especially hard-wearing and prolongs the time to a potential renovation for years.

For the Bären-quality-sealing of Bergland-Parkett, an environmentally friendly acrylic varnish with 100 % solids content and free of harmful substances, is used. The process of varnishing is performed in an UV-system. Corresponding to our experiences, Bären-quality-sealing is electrostatically harmless. Beside the extraordinary wear resistance, a very high resistance against chemical influences (cleaning agents, tartaric acid, etc.) is achieved.



For special use, as for example at car-show-rooms, Bergland-Parkett offers a sealing-technique which is resistant against plasticizer migration of tires.





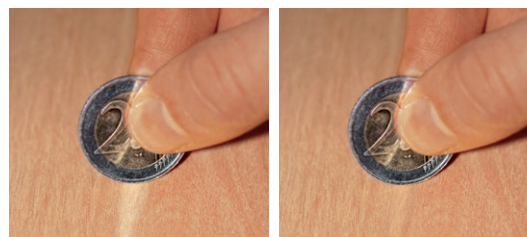
Bären-quality-sealing 7-times

ANTI-SCRATCH UV-hardened with 100 % solids content

Test report



1. The testing of the abrasion happened according to DIN 53754 Taber Abraser, the testing of the scratch resistance took place according to DIN 68861. As the abrasion value, the number of revolutions was calculated, on which 95 % of the sealing was rubbed off. The testing of the deformability happened according to ÖNORM A 1605 part 12, the testing for adherence with ageing according to ÖNORM C2354. The testing for chemical resistance was performed according to ÖNORM A 1605 part 12. The measuring of the thickness of the applied sealing happened according to instruction 0 101.



Conventional parquet

7-times Bären-quality-sealing

2. The conducted tests resulted in the following average values for the samples of Bergland-Parkett Bären-quality-sealing:

Varnish application quantity Bären-quality-sealing approx. 110 g m ²	
Layer density	approx. 80.µ
Scratch resistance	1,2 N
Wearing through 95 %	320 rotations
Abrasion 50U	30 mg
Adherence with ageing	< 2 mm
Chemical-reliability	1 B
The sanding-paper was always changed after 100 rotations.	

Table Strain classes	A	B	C
Requirement	A	B	C
Abrasion (mg 50U) according to 5.1 milligram-abrasion DIN-NORM 68861	≤40	≤30	≤20
Elasticity, deformability (cone-label) before and after ageing according to 5.2 DIN NORM 688161	H	I	I
Scratch resistance (N) according to 5.3	0,5	0,9	0,9
Adherence (in mm) before and after ageing according to 5.4 ÖNORM C2354	2	2	2
Determination of chemicals, tensidl solution, cleaning emulsion, 50° open, classification concerning staining, ÖNORM 1605, part 12	IC	IC	IC

According to the requirements of wooden floor sealing, 3 strain classes are existing.

A Moderate strain
(e.g. living- and sleepingroom)

B Heavy strain
(e.g. kindergarten, schoolroom and lobby)

3. According to test report the Bären-quality-sealing fulfills strain class "C"
For the abrasion of 50 | U, strain class B is achieved.

= C Extremely heavy strain
(e.g. restaurants, public areas, etc.)

4. Pre-standard C 2354
Transparent coating material for wooden flooring and sealings, which are produced out of it.

ÖSTERREICHISCHES HOLZFORSCHUNGSINSTITUT

Abteilung Holztechnologie und Bauwesen: (Ing. K. P. Schöber)

Abteilung Oberflächen: (Dipl.-Ing. Dr. J. Bödner)

Der Leiter der Sektion Mechanische Technologie der Fertigprodukte: (Ing. R. Solár)



7-times Bären-quality-sealing

ANTI-SCRATCH UV-hardened with 100 % solids content

Test report



Requirement class 1B according to ÖNORM A 1605 part 12

Test medium	Exposure time	Desired result	Actual result
Acetic acid	60 min.	0	0
Citric acid	60 min.	0	0
Sodium carbonate	2 min.	0	0
Ammonia water	2 min.	0	0
Ethanol	60 min.	0	0
White- red- and sweet wine	5 h	0	0
Beer	5 h	0	0
Soft drinks	16 h	0	0
Instant coffee	16 h	0	0
Black tea	16 h	0	0
Black currant juice	16 h	0	0
Evaporated milk	16 h	0	0
Water	16 h	0	0
Petrol	2 min.	0	0
Acetone	10 s	3	0
Ethyl- Butylacetat 1:1	10 s	3	0
Butter	16 h	0	0
Olive oil	16 h	0	0
Mustard	5 h	0	0
Table salt	5 h	0	0
Onion	5 h	0	0
Lipstick	16 h	0	0
Disinfectants	10 min.	0	0
Black ballpen inkpaste	16 h	3	3
Detergents	60 min.	0	0
Cleaning solution	60 min.	0	0