



PROVITAL

Surface characteristics of ProVital

Intelligent parquet functions

- **Allergy-friendly features**

The settlement of mildew, which is capable of triggering allergies, as is generally well known, is rendered virtually impossible with the ProVital surface. Should any climate-induced formation of mildew spores occur despite that, their adherence to the surface will be so slight that the number of mildew spores will be below the limit of detection following a normal dry floor cleaning.¹

- **Antibacterial features**

The settlement of colonies of micro-organisms, such as bacteria, is virtually impossible with the ProVital surface. Should bacteria collect in spite of that, they can be removed completely by a normal dry floor cleaning, so that the number of bacteria will be below the limit of detection.¹

- **Antistatic**

Products with a ProVital surface are rated as "antistatic" (certificated according to EN 1815:1998, and classification following EN 14041:2008)

- **Breathable**

The ProVital surface finish achieves almost 80% of the breathability of unfinished wood.
(certified according to DIN 52615 T1)

- **Warm for your feet**

With a parquet treated with ProVital, the temperature felt in the feet is verifiably up to 2.2° C higher than with other floorings.

Safety

- **Reaction to fire**

The ProVital surface accounts for the fact that the majority of all Weitzer Parkett floors comply with the requirements of the highest fire category, C_{fl}-s1, according to EN 13501. There are two common fire categories in the parquet segment, with C_{fl}-s1 standing for "fire-resistant" and D_{fl}-s1 for "normal flammability."

- **Anti-slip category**

ProVital complies with the anti-slip category R9, according to DIN51130

Resistance

- **Chemical resistant**

ProVital surface has been tested, according to DIN 68861, Part 1 (testing of surface properties).

- **Disinfectants**

It is resistant to common alcohol-based and acetate-based disinfectants.
(More details in the "Resistance to disinfectants, ProVital" info leaflet – confirmation)

- **Saliva and sweat resistant**

The surface has been classified as saliva and sweat resistant, according to DIN 53160-1/2.

- **Toys**

The surface is approved for toys without restrictions, on the basis of DIN EN 71, Part 3.

- **Food utensils**

Suitable for food utensils owing to the choice raw materials used for the protective coating
(according to Section 5, Para. 1, No. 1 of the German Food Law (LMBG, Lebensmittel- und Bedarfsgegenstände-Gesetz).

^{1,2)} Practical test: long-term walking test in an office building with street shoes, under conditions of normal stress. Following the test period, a normal dry floor cleaning (vacuum cleaner) was conducted; subsequently, the number of germs was determined, according to EN ISO 11737-1.

Environmental harmlessness

• Origin

All components of the ProVital surface are manufactured in the European Union in compliance with the strict European standards applicable concerning human rights, employment protection, occupational health protection, the environment and quality.

• Substances / composition

- The coating system complies with the requirements of the environmental label of "Blue Angel" (RAL UZ38), in that they contain none of the following toxic substances:
 - carcinogenic, mutagenic substances or substances endangering procreation
 - asbestos
 - heavy metals (like lead, cadmium or mercury compounds)
 - phenols and cresols
 - pentachlorophenol (PCP), polychlorinated bi- und terphenyls (PCB, PCT)
 - lindane
 - material protection agents (pesticides, fungicides, insecticides, bactericides, herbicides or flame retardants)
 - the organic solvents: benzol, methyl glycol, ethyl glycol, methyl glycol acetate and ethyl glycol acetate
 - volatile chlorofluorocarbons or chlorinated hydrocarbons
 - formaldehyde
 - colorants, dyes and pigments not in compliance with EN 71 – 3 (safety of children's toys)
 - banned azo dyes, according to the foodstuff and consumer goods law
 - halogens / halogen-organic compounds
- Moreover, the coating is free of other toxic substances, such as
 - softeners (phthalates) relating to EN 71-3
 - potent greenhouse substances: PFC (perfluorocarbons), HCFC (hydrochlorofluorocarbons) or CFC (chlorofluorocarbons)
 - PVC (polyvinyl chloride), PU (polyurethane)
- The ProVital surface complies with the requirements according to the AgBB table. The Committee for the Assessment of Building Products Related to Health (AgBB-Ausschuss zur gesundheitlichen Bewertung von Bauprodukten) is the association of German environmental and healthcare authorities. It is responsible for the establishment of emission limits for building products marketed in Germany.
- The VOC emissions (volatile organic compounds) fall below the threshold values, according to the criteria of the "Blue Angel," and there are no organic solvents left after a complete through drying.

Disposal

- According to the German Scrap Wood Regulation, which regulates the material and energetic recycling and disposal of scrap wood, Weitzer floors with a ProVital surface are to be classified under scrap wood category II. This category is the highest that processed wood can attain and it means that products belonging to this scrap wood category are completely suitable for a recycling of materials, for instance as raw material for the wooden board basic material sector.


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