



## ProStrong surface characteristics

### Intelligent parquet functions

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- **Allergy-friendly features**

The settlement of mildew, which is capable of triggering allergies, as is generally well known, is rendered virtually impossible with the ProStrong 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.<sup>1</sup>

- **Antibacterial features**

The settlement of colonies of micro-organisms, such as bacteria, is virtually impossible with the ProStrong 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.<sup>1</sup>

- **Antistatic**

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

- **Maintenance-free in residential living**

The ProStrong surface does not require complicated and time-consuming maintenance and care. The maintenance-free parquet merely has to be gently cleaned – and that's it.

### Safety

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- **Reaction to fire**

The ProStrong surface accounts for the fact that the majority of all Weitzer Parkett floors comply with the requirements of the highest fire category, C<sub>R</sub>-s1, according to EN 13501. There are two common fire categories in the parquet segment, with C<sub>R</sub>-s1 standing for "fire-resistant" and D<sub>R</sub>-s1 for "normal flammability."

- **Anti-slip category**

ProStrong complies with the anti-slip category R10, according to DIN51130

### Resistance

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- **Wear category**

The ProStrong surface has attained the highest possible wear category of "C," according to ÖN C 2354, based on its degree of compliance (formability, scratch resistance, adhesion and chemical resistance).

- **Resistance to diverse chemicals and substances**

- chemical resistant, according to DIN 68861, Part 1, Category 1B – the second -highest among the 6 categories.
- chemical resistant, according to DIN EN 13442
- resistant to feces and urine
- saliva and sweat resistant, according to DIN 53160-1/2.
- resistant to common alcohol-based and acetate-based disinfectants.

<sup>1)</sup> 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.

- **Scratch resistance**

The scratch resistance, tested by dint of the "Hamberger planer," stands at 55% above the standard market minimum.

- **Adherence**

Adherence, according to DIN EN ISO 2409 cross cut test, results in the highest category of "Gt 0 - no disbonding"

- **Suitability for chair wheels**

Tested according to EN 425, the ProStrong surface does not display any visibly manifest damages after 300,000 turns of the chair wheel and hence fulfills 12 times the standard requirements.

- **Wheelchair suitability**

The use of wheel chairs is unproblematic due to soft rubber wheels. A regular cleaning and care with ProStrong Polish is recommended to avoid graying due to skid marks.

- **Yellowing resistance**

The coating features a yellowing resistance vis-à-vis daylight and sunlight ("light resistance"). Owing to natural discolorations of the wood, a color change may occur despite the yellowing resistance of the coating.

## Environmental harmlessness

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- **Origin**

All components of the ProStrong 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:

- substances which are carcinogenic, mutagenic and toxic for reproduction
- VOC (volatile organic compounds) emissions
- asbestos
- heavy metals (like lead, cadmium or mercury compounds)
- phenols and cresols
- pentachlorophenol (PCP), polychlorinated bi- and 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 German Consumer Goods Ordinance
- 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 coating complies with the requirements according to the AgBB scheme. The Committee for Health-related Evaluation of Building Products (AgBB) 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 ProStrong surface is approved by the DIBt (Deutsches Institut für Bautechnik – German institute for civil engineering - an institute of the federal and regional governments for a uniform fulfillment of technical tasks in the field of public law)

- **Disposal**

According to the German Waste Wood Ordinance, which regulates the material and energetic recycling and disposal of waste wood, Weitzer floors with a ProStrong surface are to be classified under waste wood category II. This category is the highest that processed wood can attain and it means that products belonging to this waste 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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