



PROSTRONG

ProStrong surface characteristics

Intelligent parquet functions

- **Allergy-friendly features**

ProStrong surface dispenses with the use of common, allergy-producing substances. Also, the establishment of molds, which may have an allergenic effect, is almost completely excluded by ProStrong surface in balanced indoor climate¹.

- **Antibacterial features**

Establishment and survival of microorganisms, such as bacteria, is largely avoided by ProStrong surface applied to natural wood material. Should bacteria still accumulate, it can be almost completely removed by suitable cleaning so that the number of bacteria lies below the detection limit¹.

- **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.

¹Practical 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.

Safety

- **Reaction to fire**

ProStrong surface fulfills the requirements of the higher fire class Cfl -s1² (flame retardant) according to EN 13501. As a precondition for fire class Cfl -s1, a high-performance substrate and full-surface bonding must be given.

²Except on stone pine

Resistance

- **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.

- **Scratch resistance**

Scratch resistance of ProStrong surface is twice as high as that of conventional building site coatings. Test method: Hamburger Hobel

- **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**

Based on the test procedure according to EN 425, ProStrong surface does not show any obvious damage, and thereby fulfills associated requirements far beyond the norm.



- **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.

- **Blue Angel and DIBt**

The coating system meets the requirements of the "Blue Angel" environmental label and has been approved by DIBt (German Institute for Construction Technology) for use in Germany.

Environmental harmlessness

- **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 ZU176), 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)

- Die ProStrong 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.

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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