



## TECHNICAL DATA SHEET

# SANIT-ACTION FINISH

Two-component water-based finish for wood floors with sanitizing action



5 + 0,5 Lt



### DESCRIPTION

Polyurethane two-component water-based finish, formulated with the latest generation of nanoparticle additives which, in direct contact with water, release positively charged silver ions generating a lasting and impenetrable sanitizing barrier on the wood floor.

The antimicrobial properties of ionized silver were already well-known in antiquity: the Phoenicians stored water in bottles coated in silver to prevent contamination. In the nineteenth century, it was discovered that of all the metals, the one that demonstrated the most antibacterial properties and the least toxicity for humans was indeed silver. With the advent of antibiotics, the use of silver as an antimicrobial agent fell dramatically, but the presence of bacterial strains resistant to antibiotics has led to a renewed interest nowadays in this noble metal. In fact, it is believed that silver not only has antimicrobial, but also anti-viral and antimycotic properties. Against viruses: by inserting itself between the complementary nitrogenous bases, silver causes the denaturation of viral DNA molecules.

Against fungi: by attaching itself to the cellular wall, silver migrates inside it and neutralizes its functionality. Against bacteria: silver deactivates the enzymes responsible for the oxidative metabolism, causing the death of the single-cell organism.

In-vitro studies have demonstrated that silver is particularly effective against E. coli and Staphylococcus aureus, respectively Gram-negative and Gram-positive bacteria generally used as the basic criterion in bacterial load reduction tests in accordance with ISO 22196:2011.

As the result of a constant and controlled release of cations, SANIT-ACTION FINISH performs a long-lasting protective action against germs and bacteria, it complies with the standard according to ISO 22196:2011 and is recommended in all those places where enduring protection is required against bacterial agents.

Added to these characteristics, SANIT-ACTION FINISH also offers unmatched qualities of resistance to abrasion, rubber marks and chemical agents making it an ideal product for environments with heavy traffic (hair salons, shops, public areas, etc.).

### TECHNICAL DATA CHEMICAL-PHYSICAL CHARACTERISTICS at 20°C (indicative values not constituting product specifications):

Catalysis ratio (vol/vol)	10:1
Dust dry (minutes)	25
Impression dry (minutes)	40
Overcoating without sanding (hours)	After 3 or within 5
Dry for sanding (hours)	12/16
Light Traffic (hours)	24/36
Careful Use (days)	3/5
Completely Dry (days)	7
Degree of gloss (gloss)	10
Degree of gloss (gloss)	30
Degree of gloss (gloss)	60
Taber Test (1000 revs., 1000 g, abrasive wheel CS10) mg	10
Application method	Roller, Brush
Average coverage per coat (g/m <sup>2</sup> )	80/100
Adhesion (checkering) (%)	100
Stability and storage (in original, unopened containers stored in a cool, dry place) (months)	12
Calculated VOC (g/lit)	90
Max permitted dilution (EC Dir.2004/42)	10% Sanit-action cleaner
To clean tools	W-Cleaner – Solvente Lavaggio
Standard packaging(Lt)	2x5,5

### APPLICATION

Before proceeding with the application, the surface must be treated with a Vermeister waterborne sealer or solvent based two component primer. In the latter case, it must be remembered that species of wood subject to strong oxidation (doussiè, iroko, etc.) acquire very dark shades when they are treated with solvent based finishes. For this reason, the barrier created by the polyurethane primer must be continuous and uniform over the whole surface area to prevent the formation over time of unpleasant darker patches. Consequently, it is important to take care not to "wear through" the layer of primer when sanding. Mix component A with component B, in the prescribed proportions, stirring continuously to prevent the formation of skin or lumps. If these impurities should be noticed, it is advisable to filter the product before use. Apply SANIT-ACTION FINISH in a uniform way.

Usually at this point, the finish is complete. If it should be necessary to apply another coat, it can be done after



5 + 0,5 Lt



3-5 hours without sanding. If the interval before overcoating should be longer than 5 hours, the floor must be sanded before applying the finish to prevent separation from occurring. Alternatively, SANIT-ACTION FINISH can be applied directly on the wood instead of the sealer. Use of SANIT-ACTION FINISH is not recommended on solvent based semi-gloss/matt polyurethane moisture-cure finishes due to the risk of flaking in the case of insufficient sanding. To facilitate the application of the product, it can be diluted with 5 – 10% of SANIT-ACTION CLEANER after the two components have been mixed together. If the product is diluted any more than the quantities stated above, coverage may be reduced with a consequent lack of uniformity in the finished appearance.

### MAINTENANCE

The maintenance of finished floors must only be carried out using SANIT-ACTION CLEANER. Do not use alcohol, ammonia or detergents for hard surfaces. For further information see the MAINTENANCE SHEET.

### NOTES

IMPORTANT: ONLY USE THE APPROPRIATE COMPONENT B.  
Do not put any leftover product back into the container!  
Mix the two components together carefully in a flat bottomed container.  
Then use the bags provided to dip the roller into the product.

Do not apply the product below 10°C or above 30°C.  
Stir well before use – Store above freezing.  
Product subject to the restrictions prescribed by EC Dir.2004/42.

DRY FOR SANDING: interval before the floor is ready for sanding  
LIGHT TRAFFIC: interval before several people can walk on the floor.  
CAREFUL USE: interval before the floor is ready for moderate use.  
COMPLETELY DRY: interval before the floor is ready for complete use: e.g. for furniture removal, to allow other craftsmen to carry out work, to start maintenance of the floor, etc.

Safety precautions. Keep the product in a tightly closed, upright container in a cool place away from sources of heat. The product is classified and coded in compliance with EC Directives/regulations concerning hazardous substances. The information for the user is given in the relevant safety sheet. Empty containers or those containing slight traces of the product must be disposed of in accordance with local regulations. VerMeister S.p.A. guarantees that the details given in this sheet are provided to the best of the company's technical-scientific knowledge and experience; however, the company cannot be held responsible in any way for the results obtained with the products as the conditions of application are beyond the company's control. It is always advisable to check the suitability of the product to each specific circumstance. This sheet cancels and replaces all previous editions.