



TIKKURILA

ARGENTUM PLUS 20

INTERIOR SEMI-MATT WALL PAINT WITH VIRUS AND BACTERIA* INACTIVATING AGENT

DESCRIPTION

Argentum Plus 20 is a waterborne semi-matt special topcoat for interior walls and ceilings. It contains silver phosphate glass that protects painted surface from growth of viruses and bacteria*. Argentum Plus 20 withstands heavy wear in demanding conditions and can be cleaned with commonly used hospital detergents and disinfectants. Formula has very low VOC-emission level and has M1 certificate. Paint fulfils the emission and VOC content requirements of LEED v4 (according to the method accepted for investments realized outside USA) and BREEAM classification system.

*Argentum Plus 20 was tested against the Bovine Coronavirus (S379 Riems) according to ISO 21702:201 and against bacteria according to ISO 22196 standard Measurement of antibacterial activity on plastics and other non-porous surfaces carried out by Eurofins Laboratory

RECOMMENDED USES

Wall and ceiling surfaces in dry and wet premises in which the surface is expected to have excellent wear resistance and a high level of hygiene. For example lobbies, staircases, hospital corridors, patient rooms and other facilities in which the surfaces are under major stress.

PRODUCT FEATURES

For painting on concrete, plaster, filler, bricks and other common building boards. Suitable for both first application and maintenance painting.



The above information is not intended to be exhaustive or complete. The information is based on laboratory tests and practical experience, and it is given to the best of our knowledge. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As manufacturer we cannot control the conditions under which the product is being used or the many factors that have an effect on the use and application of the product. We disclaim liability for any damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the given information unilaterally without notice.

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TECHNICAL DATA

Base paints	A BASE
Colour Shades	Color cards: Symphony Color System, Pro Grey, Feel the Color 2020, Feel the Color, Color Now 2022, Color Now 2023, Tikkurila X Marie Olsson Nylander Light shades can be tinted in Tikkurila colors.
Gloss	Semi-matt. 4/RT-class
Coverage	Theoretical coverage: 8-10 m ² /l. Practical coverage depends on the application method, conditions, shape and roughness of the surface to be treated.
Can sizes	2.7 l, 9 l, 18 l
Thinner	Water
Application method	Roller, brush or spray. - for airless spray application use nozzle 0.015"- 0.021" - thinning 0 – 5 vol.-%
Drying time	Touch dry: approx. 2 h. Recoatable: approx. 4 h.
Density (kg/l)	approx. 1.2 kg/l, ISO 2811.
Water vapour resistance (EN ISO 7783)	Sd= 0,16m, film thickness 50µm
Chemical resistance	Resistant to cleaning chemicals and solvents, such as White spirit.
Wash resistance	Very good. Withstands also washing with cleaning detergents and disinfectants used in hospitals.
Wet scrub resistance	SFS-EN 13300 class I, ISO 11998.
Heat resistance	85 °C, ISO 4211-2 and ISO 4211-3
Volume solids (%)	40
Weight solids (%)	50

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Special feature	Has high virus inactivating properties against Bovine Coronavirus: The product has been tested to show a high virus inactivating activity against the Bovine Coronavirus (S379 Riems) using the quantitative carrier test according to ISO 21702:201. The test was carried out by Eurofins laboratory (date of test report: 3rd of February 2022) Determination of antibacterial activity: The antibacterial activity of the painted surface has been tested according to ISO 22196. The bacterial strains used were Staphylococcus aureus ATCC 6538P and Escherichia coli ATCC 8739 for a period of 24 hours.
VOC	(cat A/a) 30g/l (2010) Argentum Plus 20 contains VOC max. 1g/l.
Storage	Protect from frost. Do not store in direct sunlight, even under a protective tarpaulin. Tinted product, or a product kept in an improperly closed or half-empty can will not withstand long-term storage. Close can carefully for next use.

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APPLICATION INSTRUCTIONS

Application conditions

The surface to be painted must be dry, the temperature of the air at least +10 °C and the relative humidity of the air below 80 %.

Surface preparation

Unpainted surfaces:

Remove dirt and dust from the unpainted surfaces. Fill the surfaces with a suitable Presto or Prestonit filler, if needed, and sand the dried surface. Remove the sanding dust. Prime with Ässä 1 primer or Luja Universal Primer.

Previously painted surfaces:

Wash previously painted surfaces with Cleaning Agent (Maalipesu) according to instructions for use and let dry. Remove loose, flaking paint. Sand painted surfaces. Fill any holes and cracks and smooth the surfaces with suitable Presto or Prestonit Filler. Paint the smoothed areas with Ässä 1 Primer or Luja Universal Primer.

Painting

Stir Argentum Plus 20 well before use. Apply 1–2 layers with a roller, brush or spray gun.

Cleaning of tools

Clean tools with water. Tikkurila Pensselipesu Tool Cleaner is recommended to remove slightly hardened paint.

Maintenance instructions

After painting, surfaces must be handled with care for a few weeks as the product will reach its final hardness and durability under normal conditions after about a month. If you must clean the surfaces soon after surface treatment, clean them lightly using a soft brush or a damp cloth.

Clean the surface using neutral (pH 6–8) detergent solution with a damp cloth, sponge or brush. Clean soiled surfaces using mild alkaline (pH 8–10) detergent solution. Rinse the surface carefully after cleaning. The thinning instructions of the detergent manufacturer must be followed when mixing the solution.

Maintenance treatment

A treated surface maintains its functionality for the maintenance painting interval of the paint film. Surfaces treated with Argentum Plus 20 must be maintenance-treated with the same product so that they maintain their properties. The surface will lose its special properties if it is treated with other products.

Environmental protection and waste disposal

Avoid spillage into drains, water systems and soil. Destroy liquid waste according to the local regulations for hazardous waste. Recycle empty, dry cans or dispose them of in accordance with local regulations.

Health and Safety

Harmful to aquatic life with long lasting effects. Avoid release to the environment. Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. Contains 1,2-benzisothiazol-3(2H)-one (BIT) and reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (C(M)IT/MIT (3:1)). May produce an allergic reaction. This product contains a biocidal product for the preservation of the product during storage. Contains C(M)IT/MIT (3:1). This paint contains a biocidal product for the preservation of the dry film. Contains 3-iodo-2-propynyl butylcarbamate and silver phosphate glass. Risk of skin sensitization. Wear protective glasses.

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