



Argentum 20

Description

Special surface paint for wall and ceiling surfaces that require a high level of hygiene. The product contains active silver as an effective agent that will prevent the growth of bacterial strains on the painted surface together with good hygiene. The product has been tested according to standard ISO 22196 with an exposure time of 24 hours.

Product features

High performance anti bacterial eggshell certified to inhibit growth of MRSA and E.coli, forms a highly scrub resistant film designed for use in areas where high levels of cleanliness and anti bacterial protection are required.

Concrete, plaster, filler and tile surfaces and most common building board surfaces in interior premises. Suitable for both first application and maintenance painting.

Recommended uses

Anti bacterial eggshell for interior walls, ceilings and woodwork. Argentum 20 has chemical and scratch resistance class 04,05, 06 and aids in the prevention of multi bacterial growth including MRSA and E.coli. Once dry Argentum forms an incredibly scrub and impact resistant film, in addition Argentum 20 holds an M1 emissions classification certifying it is safe for use in environments where atmospheric air quality is critical.



TECHNICAL DATA



Base paints

A

Colour Range

Light colours tinted according to Tikkurila's Symphony colour card

Gloss grade

Semi-matt

Coverage

approx. 5–8 m²/l.

Can sizes

9 l and 18 l.

Thinner

Water

Application method

Brush, roller or airless spray gun

- nozzle 0.015"–0.021"

- thinning 0–5 % by volume

Drying time at 23°C and 50% relative air humidity

Touch-dry after approx. two hours. Recoatable after approx. four hours

Special feature

Determination of antibacterial activity

The bactericide of the product 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. The active silver in the paint is effective against many microbial species, including the following:



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Gram-negative bacteria: *Pseudomonas aeruginosa*, *P. stutzeri*, *Enterobacter cloacae*, *E. coli*, *Klebsiella pneumoniae*.

Gram-positive bacteria: *S. aureus*, *S. epidermidis*, *Enterococcus faecium*, *E. faecalis*. Antibiotic-resistant bacteria: MRSA, VRE, multidrug-resistant *P. aeruginosa*, vancomycin-resistant *Enterococcus faecium*.

Yeasts and moulds: *Candida glabrata*, *C. albicans*, *C. tropicalis*, *Saccharomyces cerevisiae*

Wash resistance	Excellent. Withstands also detergents and disinfectants used in hospitals.
Wet scrub resistance	SFS-EN 13300 class I, ISO 11998.
Chemical resistance	Withstands solvents, such as white spirit.
Heat resistance	85 °C, ISO 4211-2 and ISO 4211-3.
Solids volume	approx. 40 %.
Density	n. 1,2 kg/l, ISO 2811.
Storage	Protect from frost. Store in a dry and cool place, absolutely protected from sunlight. Close the can carefully for the next time it is used. Tinted paint or an opened can cannot withstand long-term storage.

APPLICATION DETAILS

Application conditions	The surface to be painted must be dry, the temperature at least +10°C, and the relative humidity of the air less than 80 %.
Preparation	<p>Unpainted surface:</p> <p>Clean new surfaces from dirt and dust. If necessary, smooth surfaces with suitable Presto or Prestonit Filler and sand the dried surface. Remove any sanding dust. Prime the surface with Ässä 1 or Luja Universal Primer.</p> <p>Previously painted surface:</p> <p>Clean previously painted surfaces with Maalipesu detergent according to instructions. Remove any loose and flaking paint. Sand hard and glossy painted surfaces. Fill any holes and cracks and smooth the surfaces with a suitable Presto or Prestonit Filler. Prime the filled areas with Ässä 1 or Luja Universal Primer.</p>
Painting	<p>First application:</p> <p>Stir Argentum 20 well before use. Apply 1–2 coats with a roller, brush or spray gun.</p> <p>Maintenance painting:</p> <p>The treated surface maintains its functionality for the maintenance painting interval of the paint film. Surfaces treated with Argentum 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.</p>
Cleaning of tools	Wash the tools with water. Tikkurila Pensselipesu (Tool Cleaner) is recommended for removing slightly hardened paint.
Maintenance instructions	<p>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.</p> <p>Clean the surface using neutral (pH 6–8) detergent solution with a damp cloth,</p>



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EU VOC 2004/42/EC-limit value

sponge or brush. Clean soiled surfaces using mild alkaline (pH 8–10) detergent solution. Rinse the surface carefully after cleaning. The dilution instructions of the detergent manufacturer must be followed when mixing the solution.

(cat A/a) 30g/l(2010).

Argentum 20 contains VOC max. 30 g/l.

HEALTH AND SAFETY LABELLING

according to Regulation (EC) No. 1272/2008

Harmful to aquatic life with long lasting effects. Contains 1,2-benzisothiazol-3(2H)-one, 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) and 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction. Wear protective gloves. Avoid release to the environment. This paint contains a biocidal product for the preservation of the dry film. Contains silver chloride and 2-octyl-2H-isothiazol-3-one. A Safety Data Sheet is available on request.

 [Safety data sheet](#)

ENVIRONMENTAL and WASTE DISPOSAL

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

TRANSPORT

ADR: not classified

ser250915 / akk280915 / linla120515 / pih180815 / kmm120515