

ETERNAL® IN steril

Serial Number 1406

hi-tech coating permanently preventing from mold and bacteria presence

Features:

ETERNAL IN steril is special white coating for interior walls with a purpose of limiting any biotic damage caused by mold and bacteria. Coating **ETERNAL IN steril** prevents mold and wide spectrum of bacteria growth during its lifetime on the surface. **ETERNAL IN steril** is odorless, vapor-permeable coating, which is abrasion-resistant while wet, and is suitable for application on redeveloped plasters (According to the directive WTA č. 2-2-91, paragraph 8.2).

Usage:

ETERNAL IN steril is suitable for adjusting of surface of interior walls and ceilings in areas, where maximum sterility is needed. For example, operating, resuscitation and other rooms in hospital, walls and ceilings in food processing areas, areas with high humidity and other areas with high risk of mold and bacteria presence. **ETERNAL IN steril** is suitable for lime, lime-cement and gypsum plasters, acrylic plasters, concrete, dispersive-silicate coatings, plasterboard, plaster-fiber board, fiber-cement and cement chipboard and other surfaces with high absorption. It is not suitable for walls in areas with long-term humidity over 5 %.

Technical data:

Dry matter		min. 62 wt. %
Specific weight		1,6–1,7 g/cm ³
pH		6,5–8,0
Viscosity Brookfield (A/5/10)		10–20 Pa.s (23 °C)
Drying	grade 1	30 minutes
	grade 5	1 hour
Whiteness (MgO = 100)		min. 93 %
Wet abrasion resistance (ČSN EN 13300)		class 2
Time required for the biocidal effect		24 h after last coating
Content of volatile organic compounds (VOC):		
Category/subcategory of product		A/a
Max. volume of VOC in product		10 g/l
		0,00625 kg/kg
TOC		0,00365 kg/kg

Consumption:

0,20–0,30 kg/m² (penetration coating 3 : 1 + 1–2 layers) depending on quality and preparation of the surface, thickness of layer and other factors.

Practical surface coverage:

3,3–5,0 m²/kg (penetration coating 3 : 1 + 1–2 layers) depending on quality and preparation of the surface, thickness of layer and other factors.

Shades:

white

Centers of **COLOR SYSTÉMU AUSTIS** tone **ETERNAL IN steril** into pastel shades according to samplers CSA Trend a EUROTREND.

Packaging:

1 kg, 4 kg, 12 kg plastic containers

Storage:

In original unopened containers from 5 to 25 °C. Do not leave on direct sunlight. **It must not freeze!**

Surface preparation:

Surface must be clean, cohesive, mature including minor corrections (4–6 weeks), with no lime efflorescence. It must be rid of all biological corruption (product **ETERNAL odstraňovač plísni**), old aluminum and other non-adherent coatings, eventually degreased (solution of concentrate **ETERNAL odmašťovač**, or other detergent) and dry. Surfaces with high absorption must be penetrated with product **ETERNAL univerzální penetrace**, **FORTE penetral**, or by coating **ETERNAL IN steril** diluted with distilled or demineralized water in ratio 3 : 1. In case some stains of surface are visible after coating, it is suitable to treat these spots with isolation coating **ETERNAL IN stop**.

Application:

ETERNAL IN steril must be mixed properly before using. When applying by brush, it can be diluted with up to 20 % of water. When applying by roller it can be diluted with up to 10 % of water. For diluting can be used only distilled or demineralized water. When diluting with common water, anti-bacterial effect is significantly decreased. When preparing the coating, one must be careful not to create any foam. **ETERNAL IN steril** is applied on prepared surface at least 4 hours after penetration. For application can be used brush or roller in surroundings from 5 °C to 25 °C. Second layer can be applied after the first one is dry. While working it is essential to maintain perfect cleanliness. Always use clean and dry tools. For elimination of possibility of staining the surface with loose particles, always use product separated from original container, leftovers must not be put back into original container. Maintenance coatings can be applied on former coatings made with **ETERNAL IN steril** without removing of former coating. Used tools must be washed with water right after finishing of work (tools to be used for further application of product **ETERNAL IN steril** need to be washed with distilled or demineralized water). The coating is mature after 7 days of drying in 20 °C in common surroundings. Rooms of hospitals are painted with **ETERNAL IN steril** once in four years. In case the walls and ceilings are contaminated by biological material, it is essential to wash them carefully, apply disinfection and wash with distilled water. Disinfection does not influence or decrease anti-bacterial effect of the coating. In case of damaging the coating while washing, the damaged area must be treated with coating **ETERNAL IN steril**.

Certification:

TZÚS Prague Authorized Person No. 204.

Waste disposal:

Included on the safety data sheet of the product. Disposal of containers according to the last version of the law of containers. Producer signed a contract about combined performance with company EKO-KOM, a.s., Praha.

Safety and hygiene at work:

Biocidal product. Registered at MZDR ČR under the number MZDR 43506/2017/SOZ.

Type of product: 7.

Form of product: coating for interior walls.

Active substance: Dimethyloctadecyl [3-(trimethoxy silyl) propyl] ammonium chloride [ES: 248-595-8] (0,5 g/kg).

According to law, **ETERNAL IN steril** is not classified as dangerous. It contains a 1,2-benzisothiazol-3(2H)-on [ES: 220-120-9]. May cause an allergic reaction. **Use biocides safely. Always read the label and product information before use.** Re-usage of packaging is not allowed.

First aid:

Wash skin with water and soap. In case of contact with eyes, rinse your eyes with water. If the irritation does not stop, seek medical help. When swallowed, drink about 0,5 l of tepid water with 10 crushed charcoal tablets and seek medical help. Do not induce vomiting. Other details are on the Safety data sheet of the product.