

VARNISH SANITARY

DESCRIPTION

VARNISH SANITARY is a two-component, solvent-free, amine-cured epoxy coating, suitable as a top coat for the continuous coating of concrete that has been previously primed and sealed. For use as a floor coating in the food industry, warehouses and industrial buildings in general, where a smooth, attractive, washable finish with high physicochemical performance is required.

CHEMICAL RESISTANCE BY IMMERSION

Product	Immersion	Result
Ammonia 3 %	1 year	Unaltered
Caustic soda 3 %	1 year	Unaltered
Drinking water	6 years	Unaltered
Seawater	6 years	Unaltered
Wine	6 years	Unaltered
Beer	6 years	Unaltered
Cider	6 years	Unaltered
Olive oil	6 years	Unaltered
Sugar solution	6 years	Unaltered

STORAGE AND PACKAGING

- Store the product away from heat and electrical sources.
- Do not smoke in the storage area.
- To avoid spills, once opened, containers must be closed carefully and kept upright.
- Shelf life: at least **24 months** (part A) and **12 months** (part B) at 20 °C.

SAFETY AND HYGIENE

VARNISH SANITARY is not toxic or flammable under normal handling conditions. Use without special safety measures is recommended, only the legal occupational health regulations.

Product intended for use by professional operators in industrial settings, in accordance with the advice given in this sheet and in the Material Safety Data Sheet (MSDS) that SATINE makes available.

For any clarification or question about this product, please consult our technical department.

CHARACTERISTICS

Parameter	Result
Color	Gray, red and green (others on request)
Appearance	Glossy
Volume solids	Approx. 100 %
Recommended thickness	200 µm dry per coat
Practical coverage	5 m ² /kg for 200 µm dry
Application method	Airless spray gun, conventional spray gun, brush and roller
Pot life	50 minutes at 20 °C
Specific gravity	1.30 g/cm ³
Mix life	20-25 min
Touch dry (25 °C)	Less than 2 h
Tack-free (25 °C)	Less than 6 h
Time between coats	Minimum 12 hours, maximum 24 h
Full cure (25 °C)	> 7 days
Full cure (15 °C)	> 12 days

Recoating interval for the second coat

Temp.	Walkable	Full cure	Minimum	Maximum
20 °C	2 days	7 days	24 hours	2 days

PRODUCT PROPERTIES

- For the food industry.
- For tanks and silos.
- Seamless.
- Product approved by the Spanish Ministry of Health and Consumer Affairs.
- Anti-dust coating for concrete floors.
- Good application properties.
- High abrasion and wear resistance.
- High chemical and mechanical resistance.
- No induction time required.
- Easy to clean.
- Excellent resistance to water during the curing process; otherwise, surface defects and poor anchoring of the system may occur.

This information reflects the current state of our knowledge and provides information about our products and their possible applications. Its purpose is therefore not to guarantee specific properties of the products or their suitability for a particular application. Any existing industrial property rights must be respected. Quality control parameters will be detailed in the specification sheet of each product.

SURFACE PREPARATION

The concrete must have been previously primed or sealed until the pores are completely saturated, and the maximum recoating time of the preceding coat must not have been exceeded. If the slab has pronounced irregularities, it is recommended to repair them with a mortar made with the same primer used previously, before applying VARNISH SANITARY.

Under normal temperature conditions, the interval between coats will be 24 hours; low temperatures and high relative humidity will interfere not only with the speed...

DIRECTIONS FOR USE

Mix component A while simultaneously pouring in the contents of component B (hardener), using a slow mixer until homogeneous.

Important: once mixed, you have only **15 to 20 minutes** to carry out the application.

Application can be carried out with spray equipment, brush or roller, until a continuous layer of the desired thickness is formed. It is recommended to apply **600-800 g/m²** across the two coats (film thickness: 400-600 µm).

Important: if the maximum time between coats is exceeded, lightly sand the surface to ensure adhesion of the product.

APPLICATION PARAMETERS

Parameter	Specification
Mixing	20 parts by weight + 5 parts by weight (4:1)
Airless spray gun	Suitable. Nozzle range: 15-19 thousandths of an inch. Nozzle outlet pressure: 140 kg/cm ²
Conventional air spray gun	Not suitable
Brush	Suitable
Roller	Recommended. Use a medium-pile roller. Recommended dilution: 5-8 %
Thinner	GlobalSolv Epoxi
Application temperature and humidity	10-35 °C. Relative humidity ≤ 70 %
Cleaning	Use a cleaning solvent compatible with the paint used, immediately after application, to prevent the product from polymerizing in the equipment.

Do not use in high relative humidity conditions during drying and hardening times: there is a risk of amine blush, which causes surface dulling. If this occurs, wash with slightly acidified fresh water and apply a general coat of product.

PAINTING SYSTEMS

The most common painting system is, after sealing, the application of two crossed coats of VARNISH SANITARY, leaving a high-quality finish. The product does not need to be covered with any additional coat and is not recommended as a top coat outdoors.

If an anti-slip finish is desired, silica sand with a grain size between 0.2 and 0.6 mm is broadcast onto the first coat of VARNISH SANITARY until saturation, while this coat is still fresh. Before applying the second coat, the excess sand is swept away, and then the second coat of VARNISH SANITARY is applied.

The product has self-leveling properties, so it should preferably be applied by roller once the viscosity has been adjusted with thinner.

SAFETY PRECAUTIONS

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IMPORTANT NOTES AND RECOMMENDATIONS

- Do not apply the product in adverse weather conditions: cold weather, rain, etc.
- The ambient temperature for application and curing must be between **6 and 35 °C**.

DILUTION

The product can be diluted with VARNISH THINNER over a wide range: from **10 to 20 %**, depending on the substrate, the temperature and the type of application (spray gun or roller).

PACKAGING

4 L + 2 L.

APPLICATION SYSTEMS

Designed to obtain enameled articles with a single product: it is suitable as a first coat, thanks to its good adhesion, and as a final coat, thanks to its excellent finish. As a finish it has high chemical resistance thanks to the selected acrylic isocyanate resins.

- Chemical resistance to common cleaning products and to the most aggressive ones, according to UNE-EN ISO 2812-1. Waterproofing tests carried out with hydrochloric acid.
- Hot water resistance according to UNE-EN ISO 2812-2.
- Excellent mechanical resistance thanks to its high flexibility, according to ISO 1520 (cupping test) and UNE-EN ISO 6272 (falling mass test).

Recommended, for its high physicochemical performance, for painting composites where high chemical and mechanical performance is required.



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