

Gloss finish

High shine enamel for metal and wood



GLOSS FINISH is a high quality enamel paint that can be applied on every metal and wooden surface, intended for both, exterior and interior use. It is a hard wearing long life finish that has exceptional resistance properties against harsh weather conditions, atmospheric pollution and washing, with superior gloss and colour retention. GLOSS FINISH provides a tough and flexible finish that gives long term protection and beauty that lasts. It has very good hiding power, is applied easily, smoothly, evenly and provides a superb finish.

Surface preparation

Ensure that the surface is in sound condition, dry, free from grease, dust, dirt, rust, poorly adhesive materials and thoroughly sanded by a suitable abrasive paper. On bare timber, after thorough preparation of the surface (knot scraping, seed oil treatment, filling and coating with STOCOXYL water based wood putty), greater durability will be gained if VERNILAC's VELATURA primer is applied. On previously painted wooden surfaces, scrape off all loose and flaking paint, fill surface imperfections with STOCOXYL water based wood putty, sand all surfaces to a flat finish and prime with VERNILAC's VELATURA primer. For application on metal surfaces, without special anti-corrosive requirements, use VERNILAC's regular metal primer FERODUR. On new or old metal surfaces that require enhanced antirust protection use VERNILAC's anti-corrosive primers ANTIRUST or OXIDOMIN extra.

Thinning

For application by brush or roller, thin up to 7% by volume, with VERNILAC's solvent WHITE SPIRIT. For application by spray or airless spray, thin up to 7% by volume, with VERNILAC's solvent X2.

Application

Stir thoroughly and occasionally during use. Apply by brush, roller, spray or airless one or two coatings of GLOSS FINISH. If you need 5 years anti-corrosion protection for the coated metal surface please follow the five PREPARATION-APPLICATION instructions described below.

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Drying - Recoating

Touch dry after 3 hrs. Recoat after 16 hrs. Under cooler or humid conditions, allow longer times. Temperature must be above 5°C during application and drying time.

Coverage

15 m² per liter on a properly prepared surface, depending on the surface texture and the method of application.

Color shades

Available in white gloss, satin and matt, black gloss, satin and matt, aluminum, gold, silver, bronze, in 36 gloss shades from GLOSS FINISH color card and in 27 gloss metallic shades from Metallizzati color card. GLOSS FINISH can be also tinted in an unlimited number of shades with VERNILAC's COLOR CREATIONS Tinting System.

Storage

12 months, if stored in factory sealed containers, in a cool, dry place and temperatures ranging from 5°C to 40°C. Left over paint must be stored, in tightly sealed containers and temperatures ranging from 5°C to 40°C.

Clean up

Clean up equipment immediately after use, with VERNILAC's solvent WHITE SPIRIT or VERNILAC's solvent X2. Do not empty waste solvent into drains or watercourses.

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Physical / Technical Characteristics

Density	0.99-1.25 Kg/L (depending on the hue)	ISO 2811.01 20°C
Dynamic Viscosity	880 ± 200 cP	ISO 2884.02 23 °C
Kinematic Viscosity	770 ± 90 cSt	DIN 53211 CUP No6, 20°C
Consistency (viscosity)	80±5 KU	ASTM D562
Gloss Level	Gloss hues: >90 @60° (at 48h) Satin hues: 50-60 @60° (at 48h) Matt hues: <15 @60° (at 48h)	ASTM D523
Drying Time	Tack-Free time 40-60 min Dry-Hard Time 90-150 min Dry-Through Time 300-600 min	ASTM D5895 at 25°C / 50% RH with 75µm wet film thickness
Curing time (for final strength acquisition)	20 days	ASTM D1640
Flexibility (resistance to bending)	> 28% elongation	ASTM D522 Test method A Conical mandrel
Flexibility (resistance to gradual deformation)	>8 mm	ISO 1520 Cupping test
Adhesion	<5% of area affected	ASTM D3359: classification 4B ISO 2409: classification 1
Wet-Scrub Resistance	< 20 µm film thickness loss	ISO 11998 200 scrubs
Water Resistance	No defects are observed	ASTM D870 24 hours on distilled water of 40°C
Alkali Resistance	There are no signs of lifting, wrinkling, disintegration	ASTM D1308-2 16 hours exposure to 0.5N sodium hydroxide solution
Temperature Stability (storage)	Paint retains its consistency	ASTM D1849 1 month in 60°C
Dry Opacity (hues 100 & pal)	>98%	ISO 6504-3 Opacity at spreading rate 6.67m ² /L (150µm wet film thickness)
Accelerated Weathering (hues 100 & 101)	Dry film retains flexibility, adhesion and hue	ASTM D4587 500h in UV accelerated ageing

Packaging

Gloss White		200 ml.	375 ml.	750 ml.	2,5 lt.
Satin White				750 ml.	2,5 lt.
Matt White				750 ml.	2,5 lt.
Gloss Black		200 ml.	375 ml.	750 ml.	2,5 lt.
Satin Black				750 ml.	2,5 lt.
Matt Black		200 ml.	375 ml.	750 ml.	2,5 lt.
Gloss Colored		200 ml.	375 ml.	750 ml.	2,5 lt.*
Aluminum		200 ml.	375 ml.	750 ml.	
185 - Gold	180 ml.		375 ml.	750 ml.	
175 - Silver	180 ml.		375 ml.	750 ml.	
135 - Bronze	180 ml.		375 ml.	750 ml.	
Gloss Base P				0,75 lt.	2,25 lt.
Gloss Base D				0,70 lt.	2,10 lt.
Gloss Base TR				0,68 lt.	2,04 lt.
Satin Base P				0,75 lt.	2,25 lt.
Satin Base D				0,70 lt.	2,10 lt.
Satin Base TR				0,68 lt.	2,04 lt.

* Available only in shades of 114-Pebble and 108-Cypress.

Volatile organic compounds (VOC)

The maximum EU limit value (Directive 2004/42/CE) for this product [Category A/i (One-pack performance coatings), Type SB] is 500 g/l (2010). This product contains maximum 499 g/l VOC (ready for use).

Safety information

Read the label before use. For detailed instructions - precautions, consult the Product Safety Data Sheet. Poison Information Centre: (+30) 210 77 93 777.



All the information provided in this technical data sheet is the result of the scientific knowledge of the company's personnel and the practical experience in product application. This document doesn't express or imply a guarantee as the company cannot control and bears no responsibility for the conditions and the manner of application, the adjustment and the modification of the product when used by the customer. The customer must confirm by his own means that the product is suitable for the intended use. The current version of technical data sheet withdraws all previous versions for this product.



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Instructions for 5 years Anticorrosive Protection

VERNILAC S.A. offers 5 years of anticorrosive protection for the **GLOSS FINISH** series, if the PREPARATION-APPLICATION instructions described below are followed accurately:

STEP-1

The coating system must be applied to new metallic surfaces, which are expected to be exposed on very low or low corrosive conditions and specifically on the categories C1 and C2 according to the standard ISO 12944-2. Surfaces must be thoroughly cleaned from fats, oils, grease, dirt and other loose materials by following the instructions of ISO 12944-4 standard. If the new metallic surface has been treated properly with suitable anti-corrosive prefabrication primer, then proceed directly to **STEP-3**. ⁽¹⁾

STEP-2

Any traces of rust must be removed from the metallic surface before application of the coating system. For removing rust use VERNILAC's rust-remover **KILRUST** (see application instructions of the product) assisted with metallic brush for medium corrosion or with suitable sanding paper for low corrosion. If the surface presents extended corrosion then, sandblasting is required according to the standard ISO 8504-2 (degree Sa 2^{1/2}) or water jetting according to the standard ISO 8504-1. In every case, the directions of ISO 8504-3 standard should be followed, in which pretreatment methods are described in detail according to the particular problem of any surface and the tools that can be used.

STEP-3

Immediately after surface cleaning follows the coating system application, which is essentially composed from VERNILAC's anticorrosive primer **OXIDOMIN extra** and the finishing enamel **GLOSS FINISH**. **OXIDOMIN extra** should be spread evenly (see application instructions of the product) with spray gun, roller or brush in two layers resulting 100 microns final dry film thickness. **OXIDOMIN extra** should be left to dry completely prior to the next layer or application of the finishing coating. Indicatively, 24 hours of drying at a temperature of 25°C and a relative humidity of 50% prior to the next layer or application of the finishing coating are required. Under lower temperature and/or higher relative humidity, longer drying times are needed.

STEP-4

Then, evenly spread any shade of **GLOSS FINISH** series on the surface (see product application instructions) in two layers with spray gun, roller or brush, so that the final dry film thickness has a depth of 75 microns. Before applying the second coat, **GLOSS FINISH** should be allowed to dry thoroughly. Indicatively, 24 hours of drying at a temperature of 25°C and a relative humidity of 50% prior to application of the second layer are required. Under lower temperature and/or higher relative humidity, longer drying times are needed.

STEP-5

The coating system acquires its final mechanical and chemical resistance 15 to 20 days after application of the last **GLOSS FINISH** layer. Special attention should be paid to the use and storage of coated metal objects over this period of time, so that the coating surface is not injured or stressed in any mechanical way. Any defect that occurs in the time before the acquisition of final chemical and mechanical properties of the system can significantly reduce its lifetime.

⁽¹⁾ In this case, VERNILAC cannot guarantee proper pre-treatment of the metal surface.



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