

Durosan Enamel Satin(I)

Product description

Type

This product is a high quality enamel topcoat, designed for interior surfaces. Based on alkyd resin.

Features and benefits

Provides durable semigloss finish. Free from harmful heavy metals such as Mercury, Lead, Cadmium, Arsenic, Chromium etc.

Recommended use

Ideal for decorating interior surfaces. Ideal for coating interior surfaces. Can also be used to coat exterior structures made up of steel and wood.

Substrate

Cement plaster, concrete, wood, steel.

Product data

Packaging size	1 L, 4 L, 10 L and 20 L
Colours	As per colour card.
Gloss level	20 - 30 EN ISO 2813 (60°)
Solids by volume	48 ± 2 volume% Theoretical
Specific gravity	1.31 Theoretical Only for white colour
VOC	401 g/l ISO 11890 EU
VOC comments	This is the theoretical value. Tested value will vary depending on test methodology, accuracy of equipment used for testing and test conditions.

Application data

The product can be applied by

Roller : Recommended.

Spray : Use airless spray or conventional spray.

Brush : Recommended to paint corners and edges.

Guiding data for airless spray

Nozzle tip	0.018-0.021"
Spray angle degrees	65-80°
Pressure at nozzle	150 Kg/cm ² (2100 psi)

Film thickness per coat

Typical recommended range

Dry film thickness 25 - 35 μm

Wet film thickness 65 - 90 μm

Film thickness will vary and is calculated as average.

Theoretical spreading rate 15 - 11 m^2/l

Spreading rate depends on film thickness applied, type of texture, surface porosity, imperfections, temperature, wastage during painting etc.

Maximum spread rate per coat is obtained at minimum dry film thickness and vice versa.

Thinner

Jotun Thinner No. 2

Dilution

Maximum 10 %

Conditions during application

The temperature of the substrate should be minimum 10 °C and at least 3 °C above the dew point of the air, measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying. The moisture content in the substrate should not exceed 4 % (by weight). The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.

Drying times

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly.

1. Recommended data given is, for recoating with the same generic type of paint.
2. In case of multi-coat application, drying times will be influenced by the number and sequence and by the total thickness of previous coats applied.
3. The surface should be dry and free from any contamination prior to application of the subsequent coat.

The drying time is measured by stated values:

Relative Humidity (RH) 50 %

Substrate temperature	10 °C	23 °C	40 °C
Surface (touch) dry	16 h	8 h	6 h
Hard dry	48 h	24 h	18 h
Dry to over coat, minimum	48 h	24 h	18 h

Directions for use

Surface preparation

The substrate must be sound, clean, dry and free from dust, oil, grease, laitance etc. All traces of form release agents/curing agents must be removed. A light sanding with suitable abrasive material is recommended before application. Any resulting dust/loose particles must be removed.

Recommended paint system

Primer

Fenomastic Emulsion Primer or PVA Primer : 1 Coat

Filler

Stucco : 2 Coats

Topcoat

Durosan Enamel Satin(I) : 2 Coat(s)

Other paint systems

On wooden surfaces:

Bengalac Primer : 1 Coat

Stucco : 2 Coats

Durosan Enamel Satin(I) : 2 Coats

On steel surfaces:

Bengalac Red Oxide Primer : 1 Coat

Durosan Enamel Satin(I) : 2 Coats

An additional coat may be required for certain bright colours, dark colours and significant colour changes.

Remarks

Other systems may be specified, depending on area of use.

Contents of packaging with different batch numbers must be mixed together before use.

Please refer to the Decorative Sales Department for technical advice.

This product is available in: India

Storage

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Certificates

VOC Content as per ASTM D6886

Measurement of antibacterial activity on plastics and other non-porous surfaces as per JIS Z 2801 : 2010

Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber as per ASTM D3273 -16

Lead Content CPSC-CH-E-1003-2011 by microwave digestion followed by ICP-OES(ISO-11885)

Health and safety

Please observe the environmental and precautionary notices displayed on the container.

A Material Safety Data Sheet for the product has been issued.

Detailed information regarding health and safety risks and precautions for the use of this product is specified in the product's Safety Data Sheet.

First-aid measures, refer to section 4.

Handling and storage, refer to section 7.

Transport information, refer to section 14.

Regulatory information, refer to section 15.

Disclaimer

The information in this document is given to the best of Jotun's knowledge, based on laboratory testing and practical experience. Jotun's products are considered as semi-finished goods and as such, products are often used under conditions beyond Jotun's control. Jotun cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Jotun reserves the right to change the given data without further notice.

Users should always consult Jotun for specific guidance on the general suitability of this product for their needs and specific application practices.

If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.