

Fenomastic Hygiene Emulsion Silk

Product description

Type

This product is a superior quality emulsion paint, designed for interior surfaces. Based on 100% pure acrylic emulsion giving an eggshell finish.

Features and benefits

Specially designed product to offer resistance against 22 different varieties of bacteria and fungus. Offers good flow, hiding power, incan anti bacterial and colour retention properties. Has very good opacity, outstanding washability and leveling, thereby creating a high-class finish. Provides smooth durable and washable silk finish. Free from harmful chemicals like APEO, formaldehyde, heavy metals etc. Has very low VOC which ensures good indoor air quality. Equipped with advance HCT formula which can withstand hairline cracks upto 1mm.

Recommended use

Strongly recommended for interiors of Hospitals, Hotels, Schools, Wash rooms, Kitchens, living rooms etc.

Substrate

Cement plaster, concrete, block work, rendered surfaces etc.

Substrate should have sufficient strength to receive the paint. Any defects in the substrate like surface undulations, cracks, pin holes etc., should be rectified/filled before starting painting. The compatibility of any third party filling material, if used, shall be confirmed with Jotun before application.

Product data

Packaging size	1 L, 4 L, 16 L and 18L Egypt and Libya : 1 L, 3 L and 10 L India : 1 L, 4 L, 10 L and 20 L		
Colours	White and Colours available in Jotun Multicolor system.		
Gloss level	12 - 18	EN ISO 2813 (60°)	
Solids by volume	37	± 2	volume%
Specific gravity	1.26	Theoretical Only for white colour	
VOC	24	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	0.021-0.027"
Spray angle degrees	65-80°
Pressure at nozzle	140 - 190 kg/cm ² (2100 psi)

Cleaning of painting tools

Water

Film thickness per coat

Typical recommended range

Dry film thickness 30 - 55 µm

Wet film thickness 81 - 149 µm

Film thickness will vary and is calculated as average.

Theoretical spreading rate 12.33 - 6.7 m²/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

Water

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.

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	12 h	6 h	2 h
Hard dry	16 h	8 h	4 h
Dry to over coat, minimum	12 h	6 h	2 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

Fenomastic Hygiene Emulsion Silk : 2 Coats.

First coat has to be diluted to 20% and second coat as per recommendation.

Remarks

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

Masking tape has to be removed immediately after application of the topcoat.

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: United Arab Emirates, Bahrain, Kuwait, Qatar, Saudi, Oman, Bangladesh, Egypt and Libya

Environmental labelling

Green Building Standards

This product contributes to Green Building Standard credits by meeting the following specific requirements:

LEED®v4 .1 (2019):

EQ credit: Low emitting materials

- VOC content for Interior matt walls and ceilings (Gloss <25 at 60°) (30 g/L) (EU directive 2004/42/CE) and emission range less or equal to 0.5 mg/m³ (CDPH method 1.2)

LEED®v4 (2013)/LEED®v4 .1 (2019):

EQ credit: Low emitting materials

- VOC content for Nonflat Coatings (100 g/l) (CARB (SCM)2007) and emission between 0.5 and 5.0 mg/m³ (CDPH method 1.2)

MR credit: Building product disclosure and optimization

- Material Ingredients, Option 2: Material Ingredient Optimization, International Alternative Compliance Path - REACH optimization: Fully inventoried chemical ingredients to 100 ppm and not containing substances on the REACH Authorization list – Annex XIV, the Restriction list – Annex XVII and the SVHC candidate list.

- Environmental Product Declarations. Product-specific Type III EPD (ISO 14025;21930, EN 15804).

LEED® (2009)

IEQ Credit 4.2: The VOC requirements of Green Seal Standard GS-11, 1993

BREEAM® International (2016)

Hea 02: VOC emission ((ISO 16000 - series (2006) or CDPH method 1.2 (2017)) and the VOC content for Nonflat Coatings (Gloss >5 and <70 on 60 degree meter) (100 g/l)

Mat 01: Product-specific Type III EPD (ISO 14025;21930, EN 15804).

Additional certificates and approvals may be available on request.

Certificates

Crack bridging ability : Tested in accordance with BS EN 1062-7, Method A - Class A2, as per BS EN 1062-1

Assessment of resistance to fungal growth : Tested in accordance with BS 3900 Part G6

Measurement of anti-bacterial activity : Tested in accordance with ISO 22196:2011

Scrub resistance : Tested in accordance with EN ISO 11998:2006 - Class 1

Burnish Resistance : Tested in accordance with ASTM D 6736

Reaction to Fire : Tested in accordance with ASTM E 84 - Class A

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.