

Technical Data

Fenomastic Hygiene Emulsion Silk



Product description

Fenomastic Hygiene Emulsion Silk is a superior quality, special 100% pure acrylic based emulsion paint with low VOC, which ensures good indoor air quality. Fenomastic Hygiene Emulsion Silk has an advanced HCT formula that can withstand hairline cracks upto 1mm. It has very good opacity, outstanding washability and leveling, thereby creating a high-class finish. Fenomastic Hygiene Emulsion Silk also offers resistance against bacterial and fungal growth and has very low flame spread. It is free of Alkyl Phenol Ethoxylate(APEO) and Formaldehyde.

Recommended use

Most suitable for internal use on cement plastered walls, ceilings, concrete, rendered block work, gypsum board partitions etc.

Film thickness and spreading rate

| | Minimum | Maximum | Typical |
|--|---------|---------|---------|
| Film thickness, dry (μm) | 40 | 60 | 50 |
| Film thickness, wet (μm) | 105 | 160 | 130 |
| Theoretical spreading rate (m^2/l) | 9,5 | 6,3 | 7,6 |

Certificates

Determination of Crack Bridging Ability - Performed by Taywood Engineering, UK.
Surface spread of Flame Certificate - Performed by Warrington Fire Research, UK.
Antifungal and Antibacterial - Performed by Industrial Microbiological Services Ltd. UK.

(These certificates are just a few examples of available certificates. Please contact Jotun for details)

Physical properties

Colour White + 16, 000 colours can be tinted on the Jotun Multicolor machine.
Solids (vol %)* 38 \pm 2

*Theoretically calculated

VOC: 28 to 32 gms/lit (theoretical) when measured as per ISO EU.

Surface preparation

The substrate must be sound, clean, dry, free from dust, oil, grease and laitance etc. All traces of release agents must be removed. On chalky and dusty surfaces, all loose material must be removed by stiff bristle brushing.

Other surfaces

The coating may be used on other substrates. Please contact your local Jotun office for more information.

Condition during application

The temperature of the substrate should be min. 10C and min. 3C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate.

Application methods

| | |
|---------------|---|
| Spray | Use airless spray or conventional spray |
| Brush | Recommended. |
| Roller | Recommended |

Application data

| | |
|-----------------------------------|--|
| Mixing ratio (volume) | Single pack. |
| Thinner/Cleaner | Fenomastic Hygiene Emulsion Silk is to be diluted upto 5% to 10% with clean potable water |
| Guiding data airless spray | |
| Pressure at nozzle | 140 - 190 kg./cm ² (2100 p.s.i.) |
| Nozzle tip | 0.021" - 0.027" |
| Spray angle | 65° - 80° |
| Filter | Check to ensure that filters are clean. |
| Note | Fenomastic Hygiene Emulsion Silk must be applied in two undiluted coats at minimum 50 microns (Dry Film Thickness) per coat on surfaces prepared with Fenomastic Emulsion Primer over Jotun Stucco. Fenomastic Hygiene Emulsion Silk requires a total paint film Dry Film Thickness of 100 microns or higher to achieve the required elasticity on internal plastered walls. Masking tape must be removed while the paint film is still wet. |

Drying time

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with:

- * Good ventilation (Outdoor exposure or free circulation of air)
- * Typical film thickness
- * One coat on top of inert substrate
- * Relative humidity 70%

| Substrate temperature | 10°C | 23°C | 40°C |
|--|-------------|-------------|-------------|
| Surface dry | 12 h | 6 h | 2 h |
| Through dry | 16 h | 8 h | 4 h |
| Dry to recoat, minimum ¹ | 12 h | 6 h | 2 h |
| Dry to recoat, maximum ^{2,3} | | | |

1. Recommended data given 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 – reference is made to the corresponding system data sheet.
3. The surface should be dry and free from any contamination prior to application of the subsequent coat.

The given data must be considered as guidelines only. The actual drying time/times before recoating may be shorter or longer, depending on film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc. A complete system can be described on a system sheet, where all parameters and special conditions could be included.

Typical paint system

Interior

| | |
|---|----------------|
| Fenomastic Emulsion Primer | 1 Coat |
| Stucco | 2 Coats |
| Fenomastic Hygiene Emulsion Silk | 2 Coats |

It may be necessary to apply a coat of Fenomastic Emulsion Primer after Stucco in certain circumstances. **Please refer to the Decorative Sales Department for technical advice.**

Other systems may be specified, depending on area of use

Storage

The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.

Handling

Handle with care. Stir well before use.

Packing size

1 litre container, 4 litre container and 18 litre container.

Packing may vary from country to country according to local requirements.

Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Material Safety Data Sheet.

DISCLAIMER

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product can be used under conditions beyond our control, we can only guarantee the quality of the product itself. We also reserve the right to change the given data without notice. Minor product variations may be implemented in order to comply with local requirements.

If there is any inconsistency in the text the English (UK) version will prevail.

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