

Technical Data

GARDEX SEMI -GLOSS



Product description

A superior high quality alkyd based enamel topcoat providing a durable semi gloss finish. This product is LEAD FREE

Recommended use

Ideal for use on exterior or interior wooden, steel, Concrete and plaster surfaces where semigloss finish is required. This product has high weather resistance.

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (μm)	30	40	35
Film thickness, wet (μm)	70	95	80
Theoretical spreading rate (m^2/l)	14.33	10.75	12.28

Physical properties

Colour	As per the colour card & NCS Colours from Multicolor System.
Solids (vol %)*	43 \pm 2
Flash point	40°C \pm 2 (Setaflash)
Specific Gravity	1.10 – 1.30
Gloss	Semigloss

Surface preparation

All loose material including loose plaster, cement deposits, old paint, dust etc. must be thoroughly removed. Chalking and porous substrates with high absorption should first be sealed with Jotashield Penetrating Primer, Thereafter followed by one cote of emulsion paint before Gardex is applied. (concrete & plaster only). New concrete / plaster must be dry, wait for 4-6 weeks before application. Previously painted wood and metal surfaces should be mechanically cleaned before application.

Condition during application

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

Application methods

Spray	Airless or conventional spray.
Brush	Recommended.
Roller	Recommended.

Application data

Mixing ratio (volume)	Single pack.
Thinner/Cleaner	Jotun Thinner No. 2
Guiding data airless spray	
Pressure at nozzle	min 15 Mpa (150 kg./cm ² 2100 p.s.i.)
Nozzle tip	0.015" - 0.021"

Spray angle 65° - 80°
Filter Check to ensure that filters are clean.

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

Substrate temperature	23°C	35°C	45°C
Surface dry	6 h	4 h	3 h
Through dry	16 h	12 h	10 h
Dry to recoat, minimum ¹	12 h	10 h	8 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

On Wooden Surfaces.

Bengalac Wood Primer 1 x 30 µm
Gardex Semigloss 2 x 25 µm

On Cement plaster or Concrete :

Jotashield Alkali Resistant Primer
/ Masonry Primer 1 x 30 µm
Stucco 2 Coats
Gardex Semigloss 2 x 35 µm

On Steel Surfaces.

Red Oxide Primer or Cromoprimer 1 x 35 µm (Dry Film Thickness)
Gardex Semigloss 2 x 35 µm (Dry Film Thickness)

Other systems may be specified, depending on area of use

Storage

The product must be stored in accordance with national regulations. The product must be kept in a cool and well-ventilated place, protected from heat and direct sunlight. Containers must be kept tightly closed.

Handling

Handle with care. Stir well before use.

Packing size

1 US G and 5 US G. (1 Ltr also available from tinting system)

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 is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.

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