

# Technical Data

## GARDEX MATT



### Product description

High quality matt Alkyd paint providing a delicate smooth finish. The product is LEAD FREE and confirms to SASO standard SSA 471/1986 for matt alkyd enamels.

---

### Recommended use

For interior / exterior use on wood, steel, and other metals as finishing coat and as undercoat for Gardex 90 lux. It may be used as a topcoat on primed plaster or concrete. Suitable whenever a matt smooth finish is required.

---

### Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry ( $\mu\text{m}$ )	30	40	35
Film thickness, wet ( $\mu\text{m}$ )	58	78	68
Theoretical spreading rate ( $\text{m}^2/\text{l}$ )	17.00	12.75	14.60

---

### Physical properties

Colour	As Per colour card & NCS colours from Multicolor system
Solids (vol %)*	51 $\pm$ 2
Flash point	35°C
Gloss	Matt
Specific Gravity	1.30 – 1.45

---

### Surface preparation

All loose material including loose plaster, cement deposits, old paint, dust etc must be thoroughly removed. Chalking and porous substrate with high absorption should first be sealed with Jotashield Penetrating primer, thereafter followed by 1 coat of emulsion paint before Gardex is applied (concrete and plaster only). New concrete / plaster must be dry, wait for 4-6 weeks before application. Previously painted wood, 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 <sup>2</sup> 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	12 h	10 h	8 h
Dry to recoat, Maximum			

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 X35µm
Gardex Matt	2 x 30µm

On Cement plaster or Concrete :

Jotashield Alkali Resistant Primer	
/ Masonry Primer	1 x30µm
Stucco	2 Coats
Gardex Matt	2 x30µm

On Steel Surfaces :

Red Oxide Primer or Cromoprimer	1 x 40 µm	(Dry Film Thickness)
Gardex Matt	2 x 30 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.

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.*

Jeddah - Head Office  
Jotun Saudia Co. LTD.  
P. O. Box 34689  
Jeddah - 21478  
Saudi Arabia  
Phone +966 02 6350535  
Fax +966 02 6362483

Riyadh - Branch  
Jotun Saudia Co. LTD.  
P. O. Box 91586  
Riyadh - 11643  
Saudi Arabia  
Phone +966 01 2430503  
Fax +966 01 2709689

Dammam – Branch  
Jotun Saudia Co. LTD.  
P. O. Box 4906  
Dammam - 31412  
Saudi Arabia  
Phone +966 03 8473090  
Fax +966 03 8474097

Yanbu - Factory  
Jotun Saudia Co. LTD.  
P. O. Box 30154  
Yanbu Al Sinaiya  
Saudi Arabia  
Phone +966 04 3962911  
Fax +966 04 3968483

Jotun is a World Wide company with factories, sales offices and stocks in more than 50 countries. For your nearest local Jotun address please contact the nearest regional office or visit our website at [www.jotun.com](http://www.jotun.com)

ISSUED MARCH 2005 BY JOTUN SAUDIA CO. LTD.  
THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED