

# Technical Data

## Red Oxide Primer QD



### Product description

Red Oxide Primer QD is an alkyd based rust preventing primer, which is generally used as a quick drying primer in an alkyd system.

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### Recommended use

As a primer for steel and aluminium structures in moderate, non aggressive environments. Red Oxide Primer QD is fast drying and resistant against dry heat up to 120°C.

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### Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (µm)	30	50	40
Film thickness, wet (µm)	60	100	80
Theoretical spreading rate (m <sup>2</sup> /l)	16,7	10	12,5

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### Physical properties

Colour	Red
Solids (vol %)*	50 ± 2
Flash point	29°C ± 2 (Setaflash)
VOC	3,5 lbs/gal (419 gms/ltr) USA-EPA Method 24 390 gms/ltr UK-PG6/23(97). Appendix 3
Gloss	Flat
Flexibility	Good

\*Measured according to ISO 3233:1998 (E)

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### Surface preparation

All surfaces should be clean, dry and free from contamination. The surface should be assessed and treated in accordance with ISO 8504.

#### Bare steel

Cleanliness: Power and/or hand tool cleaning to min. St 2, mill scale free (ISO 8501-1:2007). Improved surface treatment (blast cleaning to Sa 2½) will improve the performance.

#### Shopprimed steel

Clean, dry and undamaged approved shopprimer.

#### Coated surfaces

Clean, dry and undamaged compatible primer. Please contact your local Jotun office for more information.

#### Other surfaces

For aluminium substrates, thorough washing and sweeping with a nonmetallic blast medium is required.

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

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## Condition during application

The temperature of the substrate should be minimum 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure correct drying.

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## Application methods

<b>Spray</b>	Use airless spray or conventional spray
<b>Brush</b>	Recommended for stripe coating and small areas, care must be taken to achieve the specified dry film thickness.
<b>Roller</b>	May be used for small areas but not recommended for first primer coat, however when using roller application care must be taken to apply sufficient material in order to achieve the specified dry film thickness.

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## Application data

<b>Mixing ratio (volume)</b>	Single pack.
<b>Thinner/Cleaner</b>	Jotun Thinner No. 2
<b>Guiding data airless spray</b>	
<b>Pressure at nozzle</b>	15 MPa (150 kp/cm <sup>2</sup> , 2100 psi).
<b>Nozzle tip</b>	0.38-0.53 mm (0.015-0.021").
<b>Spray angle</b>	40-80°
<b>Filter</b>	Check to ensure that filters are clean.

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## 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

<b>Substrate temperature</b>	<b>5°C</b>	<b>10°C</b>	<b>23°C</b>	<b>40°C</b>
<b>Surface dry</b>	70 min	60 min	45 min	30 min
<b>Through dry</b>	9 h	7 h	4 h	2 h
<b>Dry to recoat, minimum <sup>1</sup></b>	9 h	7 h	4 h	2 h

1. The surface should be free from chalking and 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.

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## Typical paint system

<b>Red Oxide Primer QD</b>	<b>2 x 40 µm</b>	<b>(Dry Film Thickness)</b>
Pilot II	2 x 40 µm	(Dry Film Thickness)

Red Oxide Primer QD

Other systems may be specified, depending on area of use

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## 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.

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## Handling

Handle with care. Stir well before use.

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## Packing size

5 litre container or 20 litre container.

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## 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.**

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### 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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