

Technical Data

RED OXIDE PRIMER



Product description

Red Oxide Primer is a rust preventing primer based on a special synthetic resin.

Recommended use

For use on steel structures.

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (μm)	30	40	35
Film thickness, wet (μm)	60	80	70
Theoretical spreading rate (m^2/l)	16.7	12.5	14.2

Physical properties

Colour	Iron Oxide Red
Solids (vol %)*	50 ± 2
Flash point	$40^\circ\text{C} \pm 2$ (Setaflash)
Flexibility	Good

*Measured according to ISO 3233:1998 (E)

Surface preparation

Bare steel

Cleanliness: Power tool cleaning to min. St 2, mill scale free (ISO 8501-1:1988). Improved surface treatment (blast cleaning to Sa 2½) will improve the performance.

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 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.

Application methods

Spray Use airless spray

Brush	Recommended
Roller	Recommended

Application data

Thinner/Cleaner	Jotun Thinner No. 2
Guiding data airless spray	
Pressure at nozzle	Pressure at nozzle: min. 150 kg/sq. cm. (2100 p.s.i.)
Nozzle tip	0.015" - 0.021"
Spray angle	60° - 85°

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	10°C	23°C	40°C
Surface dry	12 h	8 h	5 h
Through dry	72 h	48 h	36 h
Dry to recoat, minimum ¹	48 h	36 h	24 h
Dry to recoat, maximum ²			

- 1 Recommended data given for recoating with the same generic type of paint.
- 2 The surface must be free from any chalking or any other contamination and if necessary, sufficiently roughened prior to application.

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

Red Oxide Primer	2 x 35 microns	(Dry Film Thickness)
Pilot I	1 x 40 microns	(Dry Film Thickness)
Pilot II	1 x 40 microns	(Dry Film Thickness)
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

4 Ltr. and 20 Ltr.

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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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

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