

# Technical Data

## JOTAPRIME 505



### Product description

Jotaprime 505 is an amine adduct cured , non-inhibitive epoxy coating primer.

### Recommended use

Primer for porous / Non-porous substrates. May be used as a holding primer for some Tank Lining.

### Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (µm)	40	75	50
Film thickness, wet (µm)	100	185	120
Theoretical spreading rate (m <sup>2</sup> /l)	10.3	5.5	8.2

### Physical properties

Colour	White
Solids (vol %)*	41 ± 2
Flash point	21°C ± 2 (Setaflash)
Gloss	Flat
Gloss retention	Limited
Water resistance	Very good
Abrasion resistance	Fair
Solvent resistance	Excellent
Chemical resistance	Excellent

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

### Surface preparation

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

#### Other surfaces

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

### Condition during application

For steel substrate: The temperature of the substrate should be minimum 10°C and at least 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. For Concrete: The moisture content in the concrete should not exceed 4 % (by weight). The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.

### Application methods

<b>Mixing ratio (volume)</b>	4 parts Comp. A (base) to be mixed thoroughly with 1 part Comp. B (curing agent).
<b>Pot life (23°C)</b>	8 hours
<b>Thinner/Cleaner</b>	Jotun Thinner No. 17
<b>Guiding data airless spray</b>	
<b>Pressure at nozzle</b>	9 - 15 mpa (1200 - 2100 psi)
<b>Nozzle tip</b>	0.015 - 0.019" (0.38 - 0.48 mm)
<b>Spray angle</b>	40° - 80°
<b>Note</b>	Min. 60 mesh recommended, check to ensure filter is 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

<b>Substrate temperature</b>	<b>10°C</b>	<b>23°C</b>	<b>40°C</b>
<b>Surface dry</b>	1 h	0.5 h	0.25 h
<b>Through dry</b>	8 h	4 h	2 h
<b>Cured</b>	14 d	7 d	3 d
<b>Dry to recoat, minimum</b>	8 h	4 h	2 h

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

Jotaprime 505	1 x 50 µm	(Dry Film Thickness)
Jotacote 412	1 x 300 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. 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

16.0 L. component A, 4.0 L. component B.  
3.2 L. component A, 0.8 L. component B.

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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