

# Technical Data

## Jotacote 605 MIO



### Product description

Jotacote 605 MIO is a high build, high solids surface tolerant epoxy coating. Available with different hardeners for varying substrate temperatures, Standard (Std) and Fast Cure.

### Recommended use

Protection of steel, galvanized steel, aluminium and concrete in aggressive locations. May be used where abrasive blast cleaning is not possible.

### Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry ( $\mu\text{m}$ )	100	250	125
Film thickness, wet ( $\mu\text{m}$ )	121	302	151
Theoretical spreading rate ( $\text{m}^2/\text{l}$ )	8,3	3,32	6,64

### Approvals

APAS approved to specification 2973 and 2977.

### Physical properties

Colour	Available in a limited range of MIO shades
Solids (vol %)*	83 $\pm$ 2
Flash point	29°C $\pm$ 2 (Setaflash)
VOC	185 gms/ltr UK-PG6/23(97). Appendix 3
Gloss	Semigloss
Gloss retention	Fair
Water resistance	Excellent
Abrasion resistance	Good
Solvent resistance	Good
Chemical resistance	Good
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: Blast-cleaning to Sa 2½ (ISO-8501-1:2007). Power tool cleaning to min. St 2 (ISO 8501-1:2007) may be acceptable, subject to exposure conditions.

### Coated surfaces

If applied on top of old coating systems the surface must be clean and dry.

### Other surfaces

For aluminium and galvanized surface; degreasing, light abrading or sand sweeping.

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 5°C and at least 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. Good ventilation is 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.

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## Application data

<b>Mixing ratio (volume)</b>	1:1
<b>Mixing</b>	1 parts Jotacote 605 MIO Comp. A (base) to be mixed thoroughly with 1 part Jotacote 605, Std Comp. B (curing agent) or 1 part Jotacote 605, Fast Cure comp B.
<b>Pot life (23°C)</b>	<b>Std Comp. B</b> 3 hours <b>Fast Cure Comp. B</b> 1.5 hours
<b>Thinner/Cleaner</b>	Jotun Thinner No. 7
<b>Guiding data airless spray</b>	
<b>Pressure at nozzle</b>	15 - 25 MPa (2100 - 3500 psi)
<b>Nozzle tip</b>	0.017 - 0.023" (0.43 - 0.58 mm)
<b>Spray angle</b>	40 - 80°
<b>Filter</b>	Minimum 60 mesh recommended, check to ensure filter is 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

### Std Comp. B:

Substrate temperature	10°C	23°C	40°C
Surface dry	10 h	4 h	1.5 h
Through dry	36 h	16 h	8 h
Cured	15 d	7 d	4 d
Dry to recoat, minimum	36 h	16 h	8 h
Dry to recoat, maximum <sup>1</sup>			

### Fast Cure Comp. B:

Substrate temperature	5°C	10°C	23°C	40°C
Surface dry	12 h	6 h	3 h	1 h
Through dry	48 h	24 h	8 h	4 h
Cured	15 d	8 d	4 d	3 d
Dry to recoat, minimum	48 h	24 h	8 h	4 h
Dry to recoat, maximum <sup>1</sup>				

<sup>1</sup> 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.

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## Typical paint system

Resist 5 WF    1 x 75 microns (Dry film thickness)  
Jotacote 605 MIO    2 x 125 microns (Dry film thickness)

Where abrasive blast cleaning is not possible, power tool clean to St2 minimum.

Jotacote 605 MIO    2 x 150 microns (Dry film thickness)

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

20 litre unit: 10 litres Jotacote 605 MIO Comp. A in a 20 litre container and 10 litres Jotacote 605, Std Comp. B or Jotacote 605, Fast cure Comp. B in a 10 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 can be used under conditions beyond our control, we can only guarantee the quality of the product itself. We also reserve the right to change the given data without notice. Minor product variations may be implemented in order to comply with local requirements.

If there is any inconsistency in the text the English (UK) version will prevail.

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