

Technical Data

Ultra Topcoat



Product description

Ultra Topcoat is a quick drying, glossy alkyd topcoat that contains aromatic solvents.

Recommended use

To be used as topcoat on steel and other metal constructions with high gloss and colour retention demands. Colours made from MCI Base Yellow is semigloss.

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (μm)	30	40	35
Film thickness, wet (μm)	65	90	80
Theoretical spreading rate (m^2/l)	15	11,3	12,8

Physical properties

Colour	According to colour card and Multicolor tinting system (MCI)
Solids (vol %)*	46 \pm 2 37 \pm 2 Black
Flash point	25°C \pm 2 (Setaflash)
VOC	480 gms/ltr UK-PG6/23(97). Appendix 3
Gloss	Glossy
Gloss retention	Good
Water resistance	Limited
Abrasion resistance	Limited
Flexibility	Good

*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.

Coated surfaces

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

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 or conventional spray
Brush	Recommended for stripe coating and small areas, care must be taken to achieve the specified dry film thickness.
Roller	May be used. However when using roller application care must be taken to apply sufficient material in order to achieve the specified dry film thickness.

Application data

Mixing ratio (volume)	Single pack.
Thinner/Cleaner	Jotun Thinner No. 7
Guiding data airless spray	
Pressure at nozzle	15 MPa (150 kp/cm ² , 2100 psi.)
Nozzle tip	0.38 - 0.53 mm (0.015 - 0.021")
Spray angle	40 - 80°
Filter	Check to ensure that the 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	5°C	10°C	23°C	40°C
Surface dry	60 min	30 min	20 min	15 min
Through dry	5 h	3 h	3 h	2 h
Cured ¹				
Dry to recoat, minimum	7 h	4 h	3 h	2 h
Dry to recoat, maximum ²				

1. Ultra Topcoat can be recoated with coatings containing xylene or stronger solvents within 30 hours or after 7 days after application.
1. 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

For corrosivity classes C2 and C3 in accordance with ISO 12944:

Pilot QD Primer	1 x 80 µm	(Dry Film Thickness)
Ultra Topcoat	1 x 40 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

20 litre container.

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 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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ISSUED 3 JANUARY 2011 BY JOTUN
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