

MegaGloss Metallic Clear

Product description

This is a two component chemically curing acrylic coating.. It has excellent abrasion resistance, flexibility and gloss retention when used in combination with the metallic base coat. To be used as a clear coat over a metallic base coat. To be used in atmospheric environments.

Typical use

Exterior areas, including hull, above waterline and superstructure.

Colours

clear

Product data

Property	Test/Standard	Description
Solids by volume	ISO 3233	53 ± 2 %
Gloss level (GU 60 °)	ISO 2813	High gloss
Flash point	ISO 3679 Method 1	35 °C
Density	calculated	1 kg/l
VOC-EU	IED (2010/75/EU) (theoretical)	470 g/l

The provided data is typical for factory produced products, subject to slight variation depending on colour.

Gloss description: According to Jotun Performance Coatings' definition.

The above data is valid for mixed, non-diluted product.

Film thickness per coat

Typical recommended specification range

Dry film thickness	50 - 70	µm
Wet film thickness	95 - 130	µm
Theoretical spreading rate	10.6 - 7.6	m ² /l

Spray application:

2-3 wet-on-wet coats at 20 microns DTF each are recommended. WFT values are for unthinned product. To achieve the specified DFT after thinning it is necessary to increase the WFT.

Surface preparation

Surface preparation summary table

Substrate	Surface preparation	
	Minimum	Recommended
Metallic base coat	MegaGloss Metallic No surface preparation. Apply Clear Coat within recommended overcoat window	MegaGloss Metallic No surface preparation. Apply Clear Coat within recommended overcoat window

Optimum performance, including adhesion, corrosion protection, heat resistance and chemical resistance is achieved with recommended surface preparation.

Application

Application methods

The product can be applied by

Spray: Use air spray (Gravity, pressure pot).
Airless spraying is not recommended.

Product mixing ratio (by volume)

MegaGloss Metallic Clear Comp A 2 part(s)
MegaGloss Metallic Clear Comp B 1 part(s)

Thinner/Cleaning solvent

Thinner: Jotun Thinner No. 72

Cleaning solvent: Jotun Thinner No. 18

When thinners are used as a cleaning solvent, the use must be in accordance with prevailing local regulations.

Guiding data for air spray

Refer to the Application Guide (AG) for additional information.

Drying and Curing time

Substrate temperature	15 °C	23 °C	35 °C
Surface (touch) dry	90 min	80 min	70 min
Dry to over coat, minimum	60 min	50 min	40 min
Dried/cured for service	6 d	4 d	3 d

For maximum overcoating intervals, refer to the Application Guide (AG) for this product.

Drying and curing times are determined under controlled temperatures and relative humidity below 85 %, and at average of the DFT range for the product.

Surface (touch) dry: The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.

Dry to over coat, minimum: The recommended shortest time before the next coat can be applied.

Dried/cured for service: Minimum time before the coating can be permanently exposed to the intended environment/medium.

Induction time and Pot life

Paint temperature	23 °C
Pot life	8 h

Product compatibility

Depending on the actual exposure of the coating system, various primers and topcoats can be used in combination with this product. Some examples are shown below. Contact Jotun for specific system recommendation.

Previous coat: Metallic base coat

Packaging (typical)

	Volume (litres)	Size of containers (litres)
MegaGloss Metallic Clear Comp A	5	5
MegaGloss Metallic Clear Comp B	2.5	2.5

The volume stated is for factory made colours. Note that local variants in pack size and filled volumes can vary due to local regulations.

Storage

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Shelf life at 23 °C

MegaGloss Metallic Clear Comp A	24 month(s)
MegaGloss Metallic Clear Comp B	12 month(s)

In some markets commercial shelf life can be dictated shorter by local legislation. The above is minimum shelf life, thereafter the paint quality is subject to re-inspection.

Caution

This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to Jotun's technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to the responsible Jotun representative for approval before commencing the work.

Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not inhale spray 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.

Colour variation

When applicable, products primarily meant for use as primers or antifouling may have slight colour variations from batch to batch. Such products and epoxy based products used as a finish coat may chalk when exposed to sunlight and weathering.

Colour and gloss retention on topcoats/finish coats may vary depending on type of colour, exposure environment such as temperature, UV intensity etc., application quality and generic type of paint. Contact your local Jotun office for further information.

Disclaimer

The information in this document is given to the best of Jotun's knowledge, based on laboratory testing and practical experience. Jotun's products are considered as semi-finished goods and as such, products are often used under conditions beyond Jotun's control. Jotun cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Jotun reserves the right to change the given data without further notice.

Users should always consult Jotun for specific guidance on the general suitability of this product for their needs and specific application practices.

If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.