

## Megagloss HG

### Product description

This is a two component chemically curing linear polyester based coating. It is a premium high solids topcoat with high gloss finish and excellent DOI. It has excellent abrasion resistance, flexibility and colour and gloss retention. To be used as topcoat in atmospheric environments.

### Typical use

Exterior areas, including hull, above waterline and superstructure.

### Colours

according to colour card and Multicolor Industry tinting system (MCI)

### Product data

| Property                          | Test/Standard                 | Description      |
|-----------------------------------|-------------------------------|------------------|
| <b>Megagloss HG Spray Comp B</b>  |                               |                  |
| Solids by volume                  | ISO 3233                      | 52 ± 2 %         |
| Gloss level (GU 60 °)             | ISO 2813                      | high gloss (85+) |
| Flash point                       | ISO 3679 Method 1             | 14 °C            |
| VOC-US/Hong Kong                  | US EPA method 24 (tested)     | 403 g/l          |
| VOC-EU                            | IED (2010/75/EU) (calculated) | 420 g/l          |
| <b>Megagloss HG Roller Comp B</b> |                               |                  |
| Solids by volume                  | ISO 3233                      | 52 ± 2 %         |
| Flash point                       | ISO 3679 Method 1             | 47 °C            |
| VOC-US/Hong Kong                  | US EPA method 24 (tested)     | 415 g/l          |
| VOC-EU                            | IED (2010/75/EU) (calculated) | 417 g/l          |

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

All data is valid for mixed paint.

Gloss description: According to Jotun Performance Coatings' definition.

### Film thickness per coat

#### Typical recommended specification range

|                            |                              |
|----------------------------|------------------------------|
| Dry film thickness         | 45 - 90 μm                   |
| Wet film thickness         | 90 - 175 μm                  |
| Theoretical spreading rate | 11,5 - 5,8 m <sup>2</sup> /l |

### Spray application:

As curing agent, use Megagloss HG Spray Comp B. Three wet-on-wet coats at 20 µm DFT each are recommended. WFT values are for unthinned product. To achieve the specified DFT after thinning it is necessary to increase the WFT with 20-25 %.

### Brush and roller application:

As curing agent, use Megagloss HG Roller Comp B. Requires multiple coats to build the required DFT. Between each coat, allow at least 12 hours. WFT values are for unthinned product. To achieve the specified DFT after thinning it is necessary to increase the WFT with 5-15 %.

## Surface preparation

To secure lasting adhesion to the subsequent product all surfaces shall be clean, dry and free from any contamination.

### Surface preparation summary table

| Substrate       | Surface preparation   |  |
|-----------------|---|--|
|                 | Minimum   | Recommended  |
| Coated surfaces | <p>Megaprimer, Megaspeed Undercoat and Megagloss HG:</p> <p>After curing, follow with manual or power tool sanded with aluminium oxide or silicon carbide sandpaper with grit P320.<br/>The surface for topcoating should be solvent wiped using Jotun Thinner No. 18.<br/>Wipe solvent on with a clean white cotton cloth and then wipe off the solvent with another clean white cotton cloth.</p> | <p>Megaprimer, Megaspeed Undercoat and Megagloss HG:</p> <p>After curing, follow with manual or power tool sanded with aluminium oxide or silicon carbide sandpaper with grit P320 followed with grit P400 to avoid leaving scratch marks.<br/>The surface for topcoating should be solvent wiped using Jotun Thinner No. 18.<br/>Wipe solvent on with a clean white cotton cloth and then wipe off the solvent with another clean white cotton cloth.</p> |

## Application

### Application methods

The product can be applied by

- Spray: Use air spray.
- Brush: Use high-quality natural brushes (such as badger or ox hair).
- Roller: Use a suitable roller. However when using roller application care must be taken to apply sufficient material in order to achieve the specified dry film thickness.

### Product mixing ratio (by volume)

|                            |           |
|----------------------------|-----------|
| Megagloss HG Comp A        | 1 part(s) |
| Megagloss HG Spray Comp B  | 1 part(s) |
| Megagloss HG Comp A        | 1 part(s) |
| Megagloss HG Roller Comp B | 1 part(s) |

## Thinner/Cleaning solvent

Thinner: Jotun Thinner No. 18 / Jotun Thinner No. 19 / Jotun Thinner No. 12

### Spray application:

Reduce the viscosity by thinning the product.

15 °C - 18 °C: Jotun Thinner No. 19

18 °C - 27 °C: Jotun Thinner No. 18

27 °C - 35 °C: Mixture of: Jotun Thinner No. 18 (60 %) + Jotun Thinner No. 12 (40 %)

The ideal viscosity of this product is 14-16 seconds when measured with Ford Cup #4 (13-15 seconds with DIN Cup #4).

The ideal relative humidity range is 35-70 % RH.

### Brush and roller application:

Reduce the viscosity by thinning the product 5-10 % with Jotun Thinner No. 12.

## Drying and Curing time

| Substrate temperature                  | 15 °C | 23 °C | 35 °C |
|--|-------|-------|-------|
| Surface (touch) dry                    | 13 h  | 8 h   | 4 h   |
| Dry to over coat, minimum              | 13 h  | 8 h   | 4 h   |
| Dry to over coat, maximum, atmospheric | 72 h  | 72 h  | 48 h  |
| Dried/cured for service                | 10 d  | 7 d   | 5 d   |

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 shortest time allowed before the next coat can be applied.

Dry to over coat, maximum, atmospheric: The longest time allowed 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: epoxy, polyurethane

## Packaging (typical)

|                            | Volume<br>(litres) | Size of containers<br>(litres) |
|----------------------------|--------------------|--------------------------------|
| Megagloss HG Comp A        | 2.25               | 2.8                            |
| Megagloss HG Spray Comp B  | 2.25               | 2.5                            |
| Megagloss HG Roller Comp B | 2.25               | 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 HG Comp A        | 24 month(s) |
| Megagloss HG Spray Comp B  | 24 month(s) |
| Megagloss HG Roller Comp B | 24 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.

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## **Colour variation**

When applicable, products primarily meant for use as primers or antifoulings may have slight colour variations from batch to batch. Such products may fade and chalk when exposed to sunlight and weathering.

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## **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.

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