

## Hardtop Design Glamour

### Product description

This is a two component chemically curing aliphatic acrylic polyurethane coating. It has a smooth, matt metallic finish which stands out with its superior optical depth, unique visual appeal and very good hiding power alongside excellent colour retention and corrosion resistance. To be used as metallic finish topcoat in atmospheric environments.

### Typical use

Protective:

Recommended for interior and exterior steel and metal structures for buildings and other structures where metallic finished is used.

### Approvals and certificates

This product is compliant with LEED v4 EQ credit "Low-emitting products" by complying with VOC emissions specifications.

This product is compliant with BREEAM International (2016, 2.0) requirements in Hea02:

- Exemplary level emission criteria
- Emission criteria

Additional certificates and approvals may be available on request.

### Colours

Wide range of metallic colours. Consult your Jotun representative for details.

### Product data

Property	Test/Standard	Description
Solids by volume	ISO 3233	50 ± 2 %
Gloss level (GU 60 °)	ISO 2813	matt (0-35)
Flash point	ISO 3679 Method 1	26 °C
Density	calculated	1.2 kg/l
VOC-EU	IED (2010/75/EU) (theoretical)	459 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.

Metallic and special effect coatings are not suitable for gloss measurements with the glossmeter as effect pigments reflect light to a higher degree than its base.

Gloss and visual comparison with the reference sample is recommended.

## Film thickness per coat

### Typical recommended specification range

Dry film thickness	45 - 90	µm
Wet film thickness	90 - 180	µm
Theoretical spreading rate	11.1 - 5.5	m <sup>2</sup> /l

Bright colours may need film thickness in the high end of the recommended specification range to achieve opacity.

## 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	Clean, dry and undamaged compatible coating (ISO 12944-4 6.2.4)	Clean, dry and undamaged compatible coating (ISO 12944-4 6.2.4)

## Application

### Application methods

The product can be applied by

Spray: Airless Spray, AirMix or Air spray

### Product mixing ratio (by volume)

Hardtop Design Glamour Comp A	4.5 part(s)
Hardtop Design Glamour Comp B	1 part(s)

### Thinner/Cleaning solvent

Thinner: Jotun Thinner No. 65 / Jotun Thinner No. 68

Recommended usage is max. 15% on mixed product.

### Guiding data for airless spray

Nozzle tip (inch/1000):	9-13
Pressure at nozzle (minimum):	150 bar/2100 psi

### Guiding data for air spray

Nozzle tip:	1.1-1.4
Pressure at nozzle (minimum):	3.2 bar

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

## Drying and Curing time

Substrate temperature	5 °C	10 °C	23 °C	40 °C
Surface (touch) dry	3 h	1.5 h	15 min	10 min
Walk-on-dry	5 h	3.5 h	2.5 h	1 h
Dry to over coat, minimum	5 h	3.5 h	2.5 h	1 h
Dried/cured for service	10 d	7 d	24 h	12 h

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.

Walk-on-dry: Minimum time before the coating can tolerate normal foot traffic without permanent marks, imprints or other physical damage.

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	2.5 h

## Heat resistance

	Temperature	
	Continuous	Peak
Dry, atmospheric	120 °C	140 °C

Peak temperature duration max. 1 hour.

The temperatures listed relate to retention of protective properties. Aesthetic properties may suffer at these temperatures.

## 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, zinc epoxy, epoxy mastic, polyurethane  
Subsequent coat: polyurethane

## Packaging (typical)

	Volume (litres)	Size of containers (litres)
Hardtop Design Glamour Comp A	16.2	20
Hardtop Design Glamour Comp B	3.6	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

Hardtop Design Glamour Comp A	12 month(s)
Hardtop Design Glamour 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.

## Green Building Standards

This product contributes to Green Building Standard credits by meeting the following specific requirements:

LEED®v4 (2013) / LEED®v4.1 (2020)

EQ credit: Low emitting materials

- EU/EEA/Turkey: VOC content for Two-pack reactive performance coatings solvent based, for specific end use as floors (500 g/l) (EU Directive 2004/42/CE) and emission less or equal 0.5mg/m<sup>3</sup> (CDPH method 1.2).

MR credit: Building product disclosure and optimization

- Material Ingredients, Option 2: Material Ingredient Optimization, International Alternative Compliance Path - REACH optimization: Fully inventoried chemical ingredients to 100 ppm and not containing substances on the REACH Authorization list – Annex XIV, the Restriction list – Annex XVII and the SVHC candidate list.

- Environmental Product Declarations. Product-specific Type III EPD (ISO 14025;21930, EN 15804).

BREEAM® International (2016)

- Mat 01: Product-specific Type III EPD (ISO 14025;21930, EN 15804).

The EPDs are available at [www.epd-norge.no](http://www.epd-norge.no)

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## 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.

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## 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 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.

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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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