

Megaspeed Undercoat

Product description

This is a two component polyurethane coating. Designed as a fast drying, sandable undercoat. Can be used as sealer on epoxy primers in atmospheric environments.

Typical use

Exterior areas, including hull, above waterline and superstructure. To be used as a sealer on epoxy primers.

Colours

white, grey

Product data

Property	Test/Standard	Description
Solids by volume	ISO 3233	53 ± 2 %
Gloss level (60 °)	ISO 2813	semi gloss (35-70)
Flash point	ISO 3679 Method 1	23 °C

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

All data is valid for mixed paint.

Gloss level: According to Jotun Performance Coatings' definition.

Recommended film thickness per coat

Film thickness and spreading rate	Dry film thickness	Wet film thickness	Theoretical spreading rate (m ² /l)
	(µm)	(µm)	
Minimum	40	80	13,3
Maximum	60	120	8,8
Typical	50	100	10,6

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 cured Megagloss HG: After full curing, follow with manual or power tool sanded with aluminium oxide or silicon carbide sandpaper with grit P320. The surface for topcoating should be solvent wiped using Jotun Thinner No. 18. 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 cured Megagloss HG: 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. The surface for topcoating should be solvent wiped using Jotun Thinner No. 18. 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:** Air-fed pressure pot/"air-mix" or traditional air-fed pot gun. Airless spraying is not recommended.
- Brush:** Recommended for stripe coating and small areas. Care must be taken to achieve the specified dry film thickness.
- Roller:** May be used for small areas. Not recommended for first primer coat. Care must be taken to achieve the specified dry film thickness.

Product mixing ratio (by volume)

Megaspeed Undercoat Comp A	4	part(s)
Megaspeed Undercoat Comp B	1	part(s)

Thinner/Cleaning solvent

Thinner: Jotun Thinner No. 18

Drying and Curing time

Substrate temperature	10 °C	23 °C	40 °C
Surface (touch) dry	3 h	2 h	45 min
Walk-on-dry	24 h	24 h	12 h
Dried to over coat, minimum	12 h	4 h	3 h
Dried to over coat, maximum, atmospheric	72 h	72 h	36 h

Dried/cured for service 12 d 5 d 2 d

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

Surface (touch) dry: The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness. Dry sand sprinkled on the surface can be brushed off without sticking to or causing damage to the surface.

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

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

Dried to over coat, maximum, atmospheric: The longest time allowed before the next coat can be applied without any surface preparation.

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

Induction time 15 min
Pot life 6 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
Subsequent coat: polyurethane

Packaging (typical)

	Volume (litres)	Size of containers (litres)
Megaspeed Undercoat Comp A	2	2.5
Megaspeed Undercoat Comp B	0.5	0.75

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

Megaspeed Undercoat Comp A	36 month(s)
Megaspeed Undercoat Comp B	36 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

Products primarily meant for use as primers and antifoulings may have slight color variations from batch to batch. Such products may fade and chalk when exposed to sunlight and weathering.

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.