

MegaPrimer HS

Product description

This is a two component polyamide cured epoxy coating. It is a high solids product. Designed as a fast drying, high build, low VOC surfacing primer. It has excellent application characteristics that gives a smooth finish. The cured film offers an extended sanding window up to 5 months after application without compromising on its excellent mechanical properties.

Typical use

Exterior areas, including hulls, above and below waterline, and superstructures. To be used to seal yachting fairing compounds and to even out imperfections after the filling and sanding process.

Colours

off-white, grey

Product data

Property	Test/Standard	Description
Solids by volume	ISO 3233	77 ± 2 %
Gloss level (GU 60 °)	ISO 2813	glossy (70-90)
Flash point	ISO 3679 Method 1	10 °C
Density	calculated	1.5 kg/l
VOC-EU	IED (2010/75/EU) (theoretical)	195 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	175 - 300 μm
Wet film thickness	225 - 400 μm
Theoretical spreading rate	4.4 - 2.5 m ² /l

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>New Jotun Yachting epoxy primer: Clean, dry and undamaged compatible coating. Remove any contamination that could interfere with the intercoat adhesion.</p> <p>Cured Jotun Yachting epoxy primer: Exceeding maximum recoat intervals will require cleaning/abrading by orbital sanding or hand sanding with aluminium oxide or silicon carbide sand paper with grit P120-P160, and/or application of additional coats, depending on condition.</p> <p>Fillers: Hand sanding or random orbital sanding using an aluminium oxide or silicon carbide sand paper with grit P80 to P120.</p>	<p>New Jotun Yachting epoxy primer: Clean, dry and undamaged compatible coating. Remove any contamination that could interfere with the intercoat adhesion.</p> <p>Cured Jotun Yachting epoxy primer: Exceeding maximum recoat intervals will require cleaning/abrading by orbital sanding or hand sanding with aluminium oxide or silicon carbide sand paper with grit P120-P160, and/or application of additional coats, depending on condition.</p> <p>Fillers: Hand sanding or random orbital sanding using an aluminium oxide or silicon carbide sand paper with P100 to P160 grit paper.</p>
Composite	The surface shall be clean, dry and appear with a rough and dull profile.	Epoxy Composites should be free from any wax or mould release coating before starting any surface preparation. Sand the surfaces thoroughly to achieve an even profile by using P80-P120 grit aluminium oxide paper or silicon carbide sand papers.

Jotun recommends no more than 2 steps of sandpaper grades when moving between grades.

Application

Application methods

The product can be applied by

- Spray: Use air spray or airless spray. Care must be taken to achieve the specified dry film thickness.
- 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)

MegaPrimer HS Comp A	1 part(s)
MegaPrimer HS Comp B	1 part(s)

Thinner/Cleaning solvent

Thinner: Jotun Thinner No. 19

Guiding data for airless spray

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

Guiding data for air spray

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

Drying and Curing time

Substrate temperature	10 °C	23 °C	40 °C
Surface (touch) dry	40 h	6 h	2 h
Dry to over coat, minimum	48 h	11 h	4 h
Dried/cured for service	14 d	10 d	7 d

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

Note:

Minimum drying times for wet-on-wet application:

Airless spray: Following layer is applied when precedent coat is tacky, and with no solvent addition.

Air spray: Following layer is applied when precedent coat is tacky dry, and with 5-10 % solvent addition

Dry to overcoat, minimum (wet-on-wet):

10 °C: 1.5 h

23 °C: 45 min

40 °C : 30 min

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

Drying time will increase with increasing film thickness.

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

Induction time 10 min
Pot life 2.5 h

Heat resistance

	Temperature	
	Continuous	Peak
Dry, atmospheric	120 °C	140 °C
Immersed, sea water	50 °C	60 °C

Peak temperature duration max. 1 hour.

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

Note that the coating will be resistant to various immersion temperatures depending on the specific chemical and whether immersion is constant or intermittent. Heat resistance is influenced by the total coating system. If used as part of a system, ensure all coatings in the system have similar heat resistance.

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
Subsequent coat: epoxy

Packaging (typical)

	Volume (litres)	Size of containers (litres)
MegaPrimer HS Comp A	4.5	5
MegaPrimer HS Comp B	4.5	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

MegaPrimer HS Comp A	12 month(s)
MegaPrimer HS 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 may fade and 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., and application quality. 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.