

YACHTING Barrier Primer

Product description

Type

This is a two component epoxy primer. Pigmented to give a very high waterproof protection. Can be used as primer as a part of a complete system in atmospheric and immersed environments. Suitable for carbon steel, aluminium, composite / gelcoat and coated surfaces as epoxy and polyurethane systems.



Recommended use

Designed to prevent osmosis in fibreglass boats and corrosion on steel and aluminum. The product has a very good anti-corrosion effect and can be applied in high film thicknesses. Can be applied to both exterior and interior areas, above and below waterline, superstructures and decks. The product is suitable for both professional and consumer application.



Product data

Packaging (typical)	Volume (litres)	Size of containers (litres)
YACHTING Barrier Primer Comp A	2.5	3
YACHTING Barrier Primer Comp B	1	1

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

Colours	Grey
Generic type	epoxy based
Solids by volume	50 ± 2 volume% ISO 3233
Density	1.232 g/cm ³ calculated
Flash point	Closed cup: 21°C (69.8°F)
VOC for Ready-for-Use Mixture	EU limit value for the product (cat. A/j): 500 g/l. The product contains max 500 g/l VOC.
VOC-EU	435 g/l IED (2010/75/EU) (theoretical)

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

Application data

The product can be applied by

Spray:	Use air spray or airless spray.
Brush:	Recommended for stripe coating and small areas. Care must be taken to achieve the specified dry film thickness.
Roller:	Recommended application method for consumers. Care must be taken to achieve the specified dry film thickness.

Guiding data for airless spray

Nozzle tip (inch/1000):	15-21
Pressure at nozzle (minimum):	150 bar / 2100 psi

Guiding data for air assisted spray equipment

Pump:	Pressure pot
Pressure at nozzle (minimum):	3.5 bar
Nozzle tip:	1.4–1.6 mm

Distance from air compressor to filters is to be at least 10 m. **The product must be sprayed by professionals only.**

Product mixing

1. coat:	Volume part(s)	Weight (parts)
YACHTING Barrier Primer Comp A	3	100
YACHTING Barrier Primer Comp B	1	37

2. coat:	Volume part(s)	Weight (parts)
YACHTING Barrier Primer Comp A	2	100
YACHTING Barrier Primer Comp B	1	51

Induction time and Pot life

Paint temperature	23 °C
Induction time	15 min
Pot life	7 h

Reduced at higher temperatures

Film thickness and spreading rate per coat

Typical recommended specification range

Wet film thickness	120 – 200	µm
Dry film thickness	60 – 100	µm
Theoretical spreading rate	5 – 8.3	m ² /l

Thinner/Cleaning solvent

Thinner:	Jotun Thinner No. 7
Cleaning solvent:	Jotun Thinner No. 7

Drying and Curing time

The drying time is measured by stated values:

Substrate temperature	10 °C	23 °C	40 °C
Surface (touch) dry	3 h	2 h	1 h
Hard dry / Walk-on-dry	5 h	3 h	2 h
Recoatible, minimum	12 h	4 h	3 h
Must be repainted within	7 days	3 days	2 days
Cured / Dried/cured for service	12 days	7 days	5 days

The surface must be sanded to achieve maximum adhesion if the application is done after recommended recoating time.

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

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

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

Must be repainted within / 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.

Directions for use

Surface preparation summary table

Substrate	Surface preparation	
	Minimum	Recommended
Carbon steel	St 3 (ISO 8501-1)	Sa 2½ (ISO 8501-1)
Aluminium	The surface shall be hand or machine abraded with non-metallic abrasives or bonded fibre machine or hand abrasive pads to impart a scratch pattern to the surface.	Abrasive blast cleaning to achieve a surface profile using non-metallic abrasive media which is suitable to achieve a sharp and angular surface profile.
Composite	Polyester based composites must be fully cured before initiating the surface preparation. The surface shall be hand or machine abraded with non-metallic abrasives or bonded fibre machine or hand abrasive pads with grit P120-P150 to impart a scratch pattern to the surface.	Polyester based composites must be fully cured before initiating the surface preparation. The surface shall be hand or machine abraded with non-metallic abrasives or bonded fibre machine or hand abrasive pads with grit P120-P150 to impart a scratch pattern to the surface.
Coated surfaces	New Jotun Yachting epoxy primer: Clean, dry and undamaged compatible coating Remove any contamination that could interfere with the intercoat adhesion. Cured Jotun epoxy primer or polyurethane topcoat: 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. Fillers: Orbital sanding or hand sanding with aluminium oxide or silicon carbide sand paper with grit P100-P160.	New Jotun Yachting epoxy primer: Clean, dry and undamaged compatible coating Remove any contamination that could interfere with the intercoat adhesion. Cured Jotun Yachting epoxy primer or polyurethane topcoat: 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. Fillers: Orbital sanding or hand sanding with aluminium oxide or silicon carbide sand paper with grit P100-P160.

Wood	Clean and dry surface. Surface contamination is to be removed by detergents and fresh water cleaning. Underwater area: Apply 1-3 coats of Clipper I, wet-on-wet, dependent on surface absorption.	Clean and dry surface. Surface contamination is to be removed by detergents and fresh water cleaning. Underwater area: Apply 1-3 coats of Clipper I, wet-on-wet, dependent on surface absorption.
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Surfaces with grease, oil or other contamination, wash with recommended Jotun Yachting detergent. Jotun recommends no more than 2 steps of sandpaper grades when moving between grades.

System treatment

1.	Prime the substrate with YACHTING Barrier Primer, which is mixed with 3 parts comp. A and 1 part comp. B.
2.	Repair any damage with an epoxy filler.
3.	Apply 1 additional coat of YACHTING Barrier Primer, which is mixed using 2 parts comp A and 1 part comp B.
4.	Finish with two coats of the selected topcoat. Apply 2 coats antifouling below water line. Apply 2 coats topcoat above water line.

Additional information

Temperature during drying/curing period should not be below 10 °C.

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

YACHTING Barrier Primer Comp A	48 month(s)
YACHTING Barrier Primer Comp B	48 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.

Disposal of waste

Liquid paint and washing water with paint residues must not be emptied into drains or watercourses. It must be delivered to an approved local environmental protection station.



Health and safety

Please observe the environmental and precautionary notices displayed on the container.

A Material Safety Data Sheet for the product has been issued.

Detailed information regarding health and safety risks and precautions for the use of this product is specified in the product's Safety Data Sheet.

First-aid measures, refer to section 4.

Handling and storage, refer to section 7.

Transport information, refer to section 14.

Regulatory information, refer to section 15.

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.

Product registration number: 4330243

Safety rules

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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.

Miscellaneous

Contact 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 (Eng) version will prevail.