

Megafiller Multi

Product description

This is a two component epoxy fairing compound/filler. It is a multi purpose lightweight, flexible, solvent free product. It has excellent application and sanding properties, strong adhesion and resistance to mechanical impact and water ingress. Suitable for use with pump type mixing machines.

Typical use

Exterior areas, including hull, above and below waterline, superstructure and decks. Apply by trowel or fairing board to fair surface deflections of metal or composite substrates.

Colours

grey (after mixing of white Component A with dark grey Component B)

Product data

Property	Test/Standard	Description
Solids by volume	ISO 3233	98 ± 2 %
Flash point	ISO 3679 Method 1	130 °C
Density	calculated	0.9 kg/l
VOC-US/Hong Kong	US EPA method 24 (tested) (CARB(SCM)2007, SCAQMD rule 1113, Hong Kong)	40 g/l
VOC-EU	IED (2010/75/EU) (theoretical)	67 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.

Film thickness per coat

Typical recommended specification range

Dry film thickness	500 - 10000 µm
Wet film thickness	500 - 10000 µm
Theoretical spreading rate	2 - 0.01 m ² /l
Theoretical spreading rate	2.22 - 0.01 m ² /kg

In order to minimize shrinkage stress within the dry film and to prevent possible air entrapment, a typical DFT of 5 mm is recommended per layer. However a maximum of 10 mm DFT per layer can be applied without affecting product performance.

Jotun's Megafiller Multi is a cosmetic fairing compound to be applied up to a total maximum DFT of 30 mm over multiple layers.

For further advice please contact your local Jotun office.

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</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 P80-P120. The minimum DFT of the existing primer, according to its relevant TDS, must remain after sanding. If required additional coats should be applied.</p>	<p>New Jotun Yachting epoxy primer: Clean, dry and undamaged compatible coating</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 P80-P120. The minimum DFT of the existing primer, according to its relevant TDS, must remain after sanding. If required additional coats should be applied.</p>

Optimum performance, including adhesion, corrosion protection, heat resistance and chemical resistance is achieved with recommended surface preparation.

Application

Application methods

The product can be applied by

Trowel: Pallet knife or other suitable tools.

Product mixing ratio (by volume)

Megafiller Multi Comp A 1 part(s)
Megafiller Multi Comp B 1 part(s)

Product mixing ratio (by weight)

Megafiller Multi Comp A 1 part(s)
Megafiller Multi Comp B 1 part(s)

Mix the two components thoroughly until an even colour. Mix by trowel or with an approved filler mixing machine.

The components should be mixed together preferably at 15 °C - 25 °C. At lower temperatures the product thickens and is more difficult to mix.

Thinner/Cleaning solvent

Do not add thinner.

Cleaning solvent: Jotun Thinner No. 17

When thinners are used as a cleaning solvent, the use must be in accordance with prevailing local regulations.

Drying and Curing time

Substrate temperature	15 °C	23 °C	40 °C
Surface (touch) dry	20 h	14 h	4 h
Walk-on-dry	60 h	16 h	11 h
Dry to over coat, minimum	10 h	6.5 h	2 h
Dried/cured for service	14 d	7 d	3 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.

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	45 min

Increase of temperature will reduce the pot life. Pot life is dependant on the amount mixed.

Shore D hardness

	Measure after 3 sec
Not sanded	65 ± 5
Sanded with P120	68 ± 5

Heat resistance

	Temperature	
	Continuous	Peak
Dry, atmospheric	120 °C	-

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

Additional information

INSTRUCTION FOR USE:

Apply the product onto suitable Jotun Yachting epoxy coatings. For maximum intercoat adhesion, sand each layer of the product. Before topcoating, spot-fill pores and low-spots on the product with high-density finishing filler, followed by specified epoxy primer system.

Packaging (typical)

	Volume (litres)	Size of containers (litres)
Megafiller Multi Comp A	2 / 10 / 50 / 200	3 / 10 / 60 / 200
Megafiller Multi Comp B	2 / 10 / 50 / 200	3 / 10 / 60 / 200

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.

Store away from direct sunlight, at a temperature between 10 °C and 30 °C. Protect from frost.

Shelf life at 23 °C

Megafiller Multi Comp A	24 month(s)
Megafiller Multi Comp B	24 month(s)

Megafiller Multi in 50L or 200L filling level have a shelf life of 6 months.

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 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.

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.
