

Megafiller

Product description

This is a two component epoxy fairing compound/filler. It is an ultra lightweight, very flexible, solvent free product. It has excellent application and sanding properties, strong adhesion and minimal shrinkage. Suitable for correctly prepared, primed surfaces on carbon steel, aluminium, composite and wood substrates.

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. This product should be sealed with a full layer of finishing filler prior to over coating with solvented coatings.

Colours

light blue (after mixing blue comp A with white comp B)

Product data

Property	Test/Standard	Description
Solids by volume	ISO 3233	100 %
Flash point	ISO 3679 Method 1	130 °C
Specific gravity	calculated	0,57 kg/l
VOC-USA / VOC Hong Kong	EPA Method 24	50 g/l
VOC-Solvent Emission Directive	SED (1999/13/EC)	87,7 g/kg

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

Recommended film thickness per coat

Film thickness and spreading rate	Dry film thickness (µm)	Wet film thickness (µm)	Theoretical spreading rate (m ² /l)
Minimum	1000	1000	1
Maximum	32000	32000	0,03
Typical	5000	5000	0,2

In order to minimize shrinkage stress within the dry film typical DFT is recommended per application.

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 Megacote or Megaprimer: Clean, dry and undamaged compatible coating (ISO 12944-4 6.1) Remove any contamination that could interfere with the intercoat adhesion.</p> <p>Cured Megacote or Megaprimer: Exceeding maximum recoat intervals will require cleaning/abrading by orbital sanding or hand sanding with aluminium oxide or silicon carbide sand paper with grit P150-P180, and/or application of additional coats, depending on condition.</p>	<p>New Megacote or Megaprimer: Clean, dry and undamaged compatible coating (ISO 12944-4 6.1) Remove any contamination that could interfere with the intercoat adhesion.</p> <p>Cured Megacote or Megaprimer: Exceeding maximum recoat intervals will require cleaning/abrading by orbital sanding or hand sanding with aluminium oxide or silicon carbide sand paper with grit P150-P180, and/or application of additional coats, depending on condition.</p>

Application

Application methods

The product can be applied by

Trowel: Trowel, pallet knife, fairing board or other suitable tools.

Product mixing ratio (by volume)

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

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

Thinner/Cleaning solvent

Do not add thinner.

Cleaning solvent: Jotun Thinner No. 17

For cleaning of equipment only.

Drying and Curing time

Substrate temperature	10 °C	23 °C	35 °C
Surface (touch) dry	24 h	16 h	4 h
Walk-on-dry	72 h	18 h	12 h
Dried to over coat, minimum	12 h	8 h	2 h
Dried to over coat, maximum, atmospheric	90 h	72 h	48 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 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
Pot life	30 min

Pot life is dependant on the amount mixed.

Shore D hardness

The Shore D values showed below refers to product fully cured, measured according to ISO 868, with an average DFT of 1000 µm and curing of 14 days at 20 °C.

	Immediate measure 1 sec	Measure after 3 sec	Measure after 15 sec
Not sanded	52 ± 5	50 ± 5	48 ± 5
Sanded with P180	55 ± 5	52 ± 5	50 ± 5

Heat resistance

	Temperature	
	Continuous	Peak
Dry, atmospheric	120 °C	120 °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

Subsequent coat: epoxy

Additional information

INSTRUCTION FOR USE:

Apply the product onto suitable Megayacht epoxy coatings. For maximum intercoat adhesion, sand each layer of the product. Before topcoating, seal the product with a full layer of high-density finishing filler, Megafiller Smooth, then apply two coats of a suitable epoxy coating such as Megaprimer. Alternatively, the mixed product may be blended at a 1:1 mixing ratio with a mixed Megayacht finishing filler as the final full filler layer.

For further advice please contact your local Jotun office.

Packaging (typical)

	Volume (litres)	Size of containers (litres)
Megafiller Comp A	10 / 200	12 / 219
Megafiller Comp B	10 / 200	12 / 219

400 litres packs are for use with approved filler mixing machines and is not recommended for manual mixing.

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

Megafiller Comp A	36 month(s)
Megafiller 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.
