

Megafiller Smooth

Product description

This is a two component epoxy finishing filler. It is a smooth multi purpose product. It has good sanding properties, strong adhesion and good resistance to mechanical impact, solvent and water ingress. Suitable for correctly prepared primed or faired 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 small surface deflections or imperfections of the finished or faired surface.

Colours

light buff

Product data

Property	Test/Standard	Description
Solids by volume	ISO 3233	98 ± 2 %
Flash point	ISO 3679 Method 1	110 °C
Specific gravity	calculated	1,7 kg/l
VOC-USA / VOC Hong Kong	EPA Method 24	110 g/l
VOC-Solvent Emission Directive	SED (1999/13/EC)	64,7 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	Wet film thickness	Theoretical spreading rate (m ² /l)
	(µm)	(µm)	
Minimum	100	100	9,8
Maximum	3000	3000	0,33
Typical	250	250	3,9

A closed film is required for this product when applied on top of Megafiller and Megafiller Hot Climate.

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. Fillers: Orbital sanding or hand sanding with aluminium oxide or silicon carbide sand paper with grit P100-P180.</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. Fillers: Orbital sanding or hand sanding with aluminium oxide or silicon carbide sand paper with grit P100-P180.</p>

Application

Application methods

The product can be applied by

Trowel: Trowel, pallet knife or other suitable dispenser.

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

Thinner/Cleaning solvent

Do not add thinner.

Cleaning solvent: Jotun Thinner No. 17

Drying and Curing time

Substrate temperature	10 °C	23 °C	35 °C
Surface (touch) dry	16 h	13 h	4 h
Walk-on-dry	48 h	14 h	10 h
Dried to over coat, minimum	8 h	5 h	2 h
Dried to over coat, maximum, atmospheric	60 h	48 h	32 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	45 min

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	75 ± 5	75 ± 5	75 ± 5
Sanded with P180	77 ± 5	76 ± 5	76 ± 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 epoxy coatings such as Megafiller, Megafiller Multi, Megacote or Megaprimer. May be applied on properly prepared polyurethane or linear polyester coating. For maximum intercoat adhesion, sand each layer of the product. Seal Megafiller Smooth with two coats of a suitable epoxy coating such as Megaprimer. This product may be mixed with Megafiller, however mixing should be done in a controlled way.

For further advice please contact your local Jotun office.

Packaging (typical)

	Volume (litres)	Size of containers (litres)
Megafiller Smooth Comp A	2	3
Megafiller Smooth Comp B	2	3

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 Smooth Comp A	36 month(s)
Megafiller Smooth 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.
