

Jotatop BF20

Product description

This is a two component chemically curing aliphatic acrylic polyurethane pore filler. It is a very flexible, solvent free product. It has excellent application and sanding properties, strong adhesion and good impact resistance. Developed for use on glass fiber reinforced epoxy and polyester.

Typical use

Protective:
Specially designed for protection of wind turbine rotor blades.

Colours

grey

Product data

Property	Test/Standard	Description
Solids by volume	ISO 3233	100 %
Gloss level (GU 60 °)	ISO 2813	gloss (70-85)
Flash point	ISO 3679 Method 1	101 °C
Density	calculated	1.5 kg/l
VOC-US/Hong Kong	US EPA method 24 (tested) (CARB(SCM)2007, SCAQMD rule 1113, Hong Kong)	7 g/l
VOC-EU	IED (2010/75/EU) (theoretical)	2 g/l
VOC-China	GB/T 23985-2009 (tested)	9 g/l

The provided data is typical for factory produced products, subject to slight variation depending on colour.
Gloss description: According to Jotun Performance Coatings' definition.

Film thickness per coat

Typical recommended specification range

Dry film thickness	50 - 200	µm
Wet film thickness	50 - 200	µm
Theoretical spreading rate	20 - 5	m ² /l
Theoretical spreading rate	13,3 - 3,3	m ² /kg

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	Clean, dry and undamaged compatible coating	Clean, dry and undamaged compatible coating
Composite	The surface shall be hand or machine abraded to impart a scratch pattern to the surface.	The surface shall be hand or machine abraded to impart a scratch pattern to the surface.

Application

Application methods

The product can be applied by

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

Product mixing ratio (by weight)

Jotatop BF20 Comp A	4 part(s)
Jotatop BF20 Comp B	1 part(s)

Thinner/Cleaning solvent

Cleaning solvent: Jotun Thinner No. 10

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

Drying and Curing time

Substrate temperature	5 °C	10 °C	23 °C	35 °C
Dry to over coat, minimum	6 h	4.5 h	2 h	1.5 h
Dried/cured for sanding	6 h	4.5 h	2 h	1.5 h
Dried/cured for service	21 d	14 d	7 d	3 d

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

The time decreases with the increase of temperature, humidity and the amount of Jotatop BF low temp additives.

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

Dried/cured for sanding: The state of drying when a paint film can be sanded without the sandpaper sticking or clogging.

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 40 min

The time decreases with the increase of temperature, humidity and the amount of Jotatop BF low temp additives.

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.

	Measure after 3 sec
Not sanded	70 ± 5
Sanded with P120	70 ± 5

Heat resistance

	Temperature	
	Continuous	Peak
Dry, atmospheric	120 °C	140 °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, epoxy mastic, polyurethane

Packaging (typical)

	Weight	Size of containers (litres)
Jotatop BF20 Comp A	8 kg	10

Jotatop BF20 Comp B

2 kg

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

Jotatop BF20 Comp A

24 month(s)

Jotatop BF20 Comp B

6 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.

Technical Data Sheet

Jotatop BF20



If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.
