

Jotacote Universal F60

Product description

Jotacote Universal F60 is a universal primer designed for reliable anti-corrosion protection in both atmospheric and immersed environments. It is a two-component polyamide-cured, pure epoxy coating intended for all-around, all-year use where fast dry-to-handle is needed. Jotacote Universal F60 offers optimal outfitting performance, as well as enhanced performance over a wide operational temperature range, specifically from -196 °C to 200 °C (-321°F to 392°F), for non-insulated surfaces. (Previously marketed as Jotacote F60, formulation unchanged).

Typical use

Suitable for structural steel exposed to corrosive environments in atmospheric and immersed conditions. Recommended for most areas in Protective new construction, large-scale maintenance projects and Marine newbuilding, on a properly prepared substrate. Abrasive blasting is recommended to achieve maximum adhesion and durability of the coating. Approved with PSPC cross-over testing for a wide range of shop primers.

Approvals and certificates

Pre-qualified in accordance with NORSOK M-501 in selected systems
Tested in accordance to ISO 12944, up to CX, as a primer in selected system.
Certified in accordance with IMO Res.215(82) – PSPC Water Ballast Tanks
Certified in accordance with IMO Res.288(87) – PSPC Crude Oil Tanks
Certified in accordance with IMO 2010 FTP code – Low Flame Spread

Consult your Jotun representative for details.

Additional certificates and approvals may be available on request.

Colours

grey, red, white, aluminium, Aluminium red toned, bronze

Due to variations in the thermal stability of pigments, slight colour changes can occur when the coating is heated. Note that such a colour change will not affect the performance of the coating.

Product data

Property	Test/Standard	Description	
Solids by volume	ISO 3233	60 ± 2 %	
Gloss level (GU 60 °)	ISO 2813	matt (0-35)	
Flash point	ISO 3679 Method 1	26 °C	
Density	calculated	1.4 kg/l	
Region	Regulation	Test Standard	VOC Value
US	CARB(SCM)2020 / SCAQMD rule 1113	US EPA Method 24	366 g/l
Hong Kong	Air Pollution Control (VOC) Regulation	US EPA Method 24	366 g/l
EU	European Paint Directive 2004/42/CE	Calculated	399 g/l
EU IED	Industrial Emission Directive 2010/75/EU	Calculated	399 g/l
Korea	Korea Clean Air Conservation Act	KS M ISO 11890-1	353 g/l

China

Mandatory national standard of China

GB 30981.2-2025

364 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 - 300	µm
Wet film thickness	85 - 500	µm
Theoretical spreading rate	12 - 2	m ² /l

Surface preparation

Surface preparation summary table

Substrate	Surface preparation	
	Minimum	Recommended
Carbon steel	St 2 (ISO 8501-1)	Sa 2½ (ISO 8501-1)
Stainless steel	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.
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.
Galvanised steel	The surface should be clean, dry and free of zinc salts.	Sweep blast-cleaning using non-metallic abrasive leaving a clean, rough and even pattern.
Shop primed steel	Dry, clean and intact shop primer.	Sweep blasted or alternatively blasted to Sa 2 (ISO 8501-1) of at least 70 % of the surface.
Coated surfaces	Clean, dry and undamaged compatible coating	Sa 2½ (ISO 8501-1)
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.

Concrete	Moisture content maximum 5 %. Mechanically prepare the existing concrete surface by scabbling, needle gun, mechanical disc grinding.	Minimum 4 weeks curing. Moisture content maximum 5 %. Prepare the surface by means of enclosed blast shot or diamond grinding and other appropriate means to abrade the surrounding concrete and to remove laitance.
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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

Spray:	Use airless spray.
Brush:	Recommended for stripe coating and small areas. Care must be taken to achieve the specified dry film thickness.
Roller:	May be used for small areas. Not recommended for first primer coat. Care must be taken to achieve the specified dry film thickness.

Product mixing ratio (by volume)

Jotacote Universal F60 Comp A	4 part(s)
Jotacote Universal F60 Comp B	1 part(s)

Thinner/Cleaning solvent

Thinner:	Jotun Thinner No. 17
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Guiding data for airless spray

Nozzle tip (inch/1000):	19-31
Pressure at nozzle (minimum):	150 bar/2100 psi

Drying and Curing time

Substrate temperature	-10 °C	-5 °C	0 °C	5 °C	10 °C	23 °C	40 °C
Surface (touch) dry	36 h	13 h	10 h	6 h	4 h	2 h	1 h
Walk-on-dry	72 h	28 h	24 h	19 h	10 h	3 h	2 h
Dry to over coat, minimum		22 h	18 h	10 h	5 h	3 h	2 h
Dried/cured for immersion	10 d	7 d	4 d	3 d	2 d	1 d	12 h
Dried/cured for service			14 d	12 d	10 d	7 d	3 d

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

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 immersion: Minimum time before the coating can be permanently immersed in sea water.

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
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Pot life	8 h
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Heat resistance

	Temperature	
	Continuous	Peak
Dry, atmospheric	200 °C	
Immersed, sea water	60 °C	70 °C
Immersed, crude oil	80 °C	90 °C

Peak temperature duration max. 1 hour.

The temperatures listed relate to retention of protective properties. Aesthetic properties may suffer at these temperatures.

Note that the coating will be resistant to various immersion temperatures depending on the specific chemical and whether immersion is constant or intermittent. Heat resistance is influenced by the total coating system. If used as part of a system, ensure all coatings in the system have similar heat resistance.

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: inorganic zinc silicate shop primer, epoxy

Subsequent coat: acrylic, alkyd, epoxy, epoxy mastic, polyurethane, polysiloxane, vinyl epoxy

Packaging (typical)

	Volume (litres)	Size of containers (litres)
Jotacote Universal F60 Comp A	16	20

Jotacote Universal F60 Comp B

4

5

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, shaded, 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

Jotacote Universal F60 Comp A 24 month(s)

Jotacote Universal F60 Comp B 24 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 applicator and operator 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 should 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 in 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 sought medical attention 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 data given 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)

Technical Data Sheet

Jotacote Universal F60



version will prevail.