Jota Armour II

Product description

Jota Armour II is a three-component, abrasion-resistant, polyamine-cured epoxy coating specifically engineered to deliver high anti-skid performance. It is suitable for application on metallic substrates as part of a system with approved primers, as well as on concrete surfaces treated with suitable sealers.

Typical use

Intended for helidecks, walkways, ramps, weighbridge decks, and other operational surfaces where a coating system with defined slip-resistance and high durability is required.

Approvals and certificates

Meets the anti-slip performance requirements for paint systems in accordance with Defence Standard 80-134.
Pre-qualified in accordance with NORSOK M-501 in selected systems

Additional certificates and approvals may be available on request.

Colours

grey 038, green 137, BS 640

Product data

Property	Test/Standard	Description
STANDARD GRADE		
Solids by volume	ISO 3233	90 ± 2 %
Gloss level (GU 60 °)	ISO 2813	semi gloss (35-70)
Flash point	ISO 3679 Method 1	35 °C
Density	calculated	2.5 kg/l

Region	Regulation	Test Standard	VOC Value
US	CARB(SCM)2020 / SCAQMD rule 1113	Calculated	118 g/l
Hong Kong	Air Pollution Control (VOC) Regulation	Calculated	118 g/l
EU	European Paint Directive 2004/42/CE	Calculated	118 g/l
EU IED	Industrial Emission Directive 2010/75/EU	Calculated	118 g/l
Korea	Korea Clean Air Conservation Act	KS M ISO 11890-1	216 g/l
China	Mandatory national standard of China	GB 30981.2-2025	128 g/l

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WINTER GRADE

Solids by volume	ISO 3233	84 ± 2 %
Flash point	ISO 3679 Method 1	31 °C
Density	calculated	2.5 kg/l

Region	Regulation	Test Standard	VOC Value
US	CARB(SCM)2020 / SCAQMD rule 1113	Calculated	137 g/l
Hong Kong	Air Pollution Control (VOC) Regulation	Calculated	137 g/l
EU	European Paint Directive 2004/42/CE	Calculated	137 g/l
EU IED	Industrial Emission Directive 2010/75/EU	Calculated	137 g/l
Korea	Korea Clean Air Conservation Act	Calculated	285 g/l
China	Mandatory national standard of China	GB 30981.2-2025	203 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

STANDARD GRADE

Dry film thickness	750	-	3000	µm
Wet film thickness	830	-	3330	µm
Theoretical spreading rate	1.2	-	0.3	m²/l

WINTER GRADE

Dry film thickness	750	-	3000	µm
Wet film thickness	890	-	3570	µm
Theoretical spreading rate	1.1	-	0.3	m²/l

Anti-slip roughness profile of coating limits accuracy on film thickness measurements. Approximate spreading rate for 1000 µm dry film is 8 m²/kit from practical testing.

Surface preparation

Surface preparation summary table

Substrate	Surface preparation	
	Minimum	Recommended
Coated surfaces	Clean, dry and undamaged compatible coating	Clean, dry and undamaged compatible coating

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Application

Application methods

The product can be applied by

Spray:	Gravity Feed Hopper Gun or other suitable equipment. Consult Jotun for additional information, as required.

Product mixing

Mix Component A and Component B properly and then add slowly Component C (aggregates) into the mixture.

Thinner/Cleaning solvent

Thinner:	Jotun Thinner No. 17

Drying and Curing time

Substrate temperature	0 °C	5 °C	10 °C	23 °C	40 °C
STANDARD GRADE					
Surface (touch) dry			8 h	5 h	3 h
Walk-on-dry			24 h	14 h	6 h
Dry to over coat, minimum			28 h	14 h	6 h
Dried/cured for service			14 d	7 d	2 d
WINTER GRADE					
Surface (touch) dry	22 h	14 h	8 h	3 h	
Walk-on-dry	32 h	24 h	24 h	8 h	
Dry to over coat, minimum	32 h	24 h	24 h	8 h	
Dried/cured for service	28 d	14 d	14 d	4 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 service: Minimum time before the coating can be permanently exposed to the intended environment/medium.

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Paint temperature	23 °C
STANDARD GRADE	
Pot life	1.5 h
WINTER GRADE	
Pot life	1 h

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, epoxy mastic, zinc epoxy
Subsequent coat:	epoxy, epoxy mastic, polyurethane

Packaging (typical)

Jota Armour II Comp A	4 l
Jota Armour II Comp B	0.7 l
Jota Armour II Comp C	14 kg
Jota Armour II Wintergrade Comp B	1 l

The components may be packed as a kit in a 20 L mixing pail.
Standard kit: 4 L Component A, 0.7 L Component B (standard), and 14 kg of Component C.
WG kit: 4 L Component A, 1.0 L Component B (WG), and 14 kg of Component C.

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

Jota Armour II Comp A	48 month(s)
Jota Armour II Comp B	48 month(s)

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Jota Armour II Wintergrade Comp B	48 month(s)
Jota Armour II Comp C	120 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) version will prevail.

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