

Hardtop Smart Pack II

Product description

Hardtop Smart Pack II is the best choice for high-performing protection when brush or roller is a preferred application method. This is a patent-pending, two-component, chemically curing aliphatic acrylic polyurethane coating. The product has a 1:1 mixing ratio and a handy 5-liter pack size for easy use and reduced wastage. It can be tinted over MCI and provides lasting colour and gloss.

Typical use

Ideal as a topcoat over an epoxy primer where a durable, high gloss finish is required for aggressive atmospheric exposure.

Approvals and certificates

Certified in accordance with IMO 2010 FTP code – Low Flame Spread

Additional certificates and approvals may be available on request.

Colours

according to colour card and Multicolor Industry tinting system (MCI)

Product data

Property	Test/Standard	Description	
Solids by volume	ISO 3233	60 ± 2 %	
Gloss level (GU 60 °)	ISO 2813	gloss (70-85)	
Flash point	ISO 3679 Method 1	28 °C	
Density	calculated	1.3 kg/l	
Region	Regulation	Test Standard	VOC Value
US	CARB(SCM)2020 / SCAQMD rule 1113	Calculated	336 g/l
Hong Kong	Air Pollution Control (VOC) Regulation	Calculated	336 g/l
EU	European Paint Directive 2004/42/CE	Calculated	336 g/l
EU IED	Industrial Emission Directive 2010/75/EU	Calculated	336 g/l
Korea	Korea Clean Air Conservation Act	Calculated	336 g/l
China	Mandatory national standard of China	GB 30981.2-2025	294 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	60	-	90	µm
Wet film thickness	100	-	150	µm
Theoretical spreading rate	10	-	6.7	m ² /l

Bright colours may need film thickness in the high end of the recommended specification range to achieve opacity.

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

Application

Application methods

The product can be applied by

Spray:	Airless spray can be used.
Brush:	Use high quality brush to achieve best levelling performance. Care must be taken to achieve the specified dry film thickness.
Roller:	Use short hair or flocked foam roller to achieve good leveling performance, and reduce orange peel on the surface.

Refer to the Application Guide (AG) for additional information.

Product mixing ratio (by volume)

Hardtop Smart Pack II Comp A	1 part(s)
Hardtop Smart Pack II Comp B	1 part(s)

- Shake or stir components A and B separately until each is fully homogeneous.
- Use a clean mixing tool.
- Blend components A and B in a 1:1 ratio and mix thoroughly until uniform.
- Wipe off excess paint from the container rims before sealing to prevent the lids from sticking.

Thinner/Cleaning solvent

Thinner: Jotun Thinner No. 10

Drying and Curing time

Substrate temperature	5 °C	10 °C	23 °C	40 °C
Surface (touch) dry	15 h	8 h	3 h	1 h
Surface (touch) dry	30 h	17 h	7 h	3 h
Dry to over coat, minimum	30 h	17 h	7 h	3 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.

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.

Induction time and Pot life

Paint temperature	23 °C
Induction time	10 min
Pot life	1.5 h

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 mastic, zinc epoxy, shop primer, polyurethane

Packaging (typical)

	Volume (litres)	Size of containers (litres)
Hardtop Smart Pack II Comp A	4.5	5
Hardtop Smart Pack II Comp B	4.5	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

Hardtop Smart Pack II Comp A	48 month(s)
Hardtop Smart Pack II 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.

Hardtop Smart Pack II contains less than 0.1% monomeric di-isocyanates, aligning with current and anticipated regulatory thresholds for occupational exposure. This ultra-low content eliminates the requirement for REACH-mandated training on safe handling of isocyanates under typical application conditions.

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.