JDAcrylic 435

Product description

This is a one component physically drying acrylic coating. It has a semi gloss finish with good gloss retention. It is fast drying. To be used as topcoat in atmospheric environments.

Typical use

Marine:

Recommended for topside and superstructure.

Protective:

Suitable for a wide range of industrial structures.

Colours

according to colour card

Product date

Property	Test/Standard	Description
Solids by volume	ISO 3233	40±2%
Gloss level（GU60°）	ISO 2813	semi gloss（35-75）
Flash point	ISO 3679 Method 1	36℃
Density	calculated	1.2Kg/L
VOC-China	GB/T23985-2009(ISO11890-1)	516g/L

The provided data is typical for factory produced products, subject to slight variation depending on colour.

Gloss description: According to Jindun Performance Coatings' definition.

Film thickness per coat

Typical recommended specification range

Dry film thickness	40μm - 60μm
Wet film thickness	100μm - 150μm
Theoretial spreading rate	10 m^2/L– 6.6 m^2/L

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

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 air spray or 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. Care must be taken to achieve the specified dry film thickness.

Product mixing ratio（by volume）

Single pack

Thinner/Cleaning solvent

Thinner: Jindun Thinner No. 102

Guiding date for airless spray

Nozzle tip (inch/1000): 17-23

Pressure at nozzle (minimum): 150 bar/2100 psi

Drying and Curing time

Substrate temperature	5℃	10℃	23℃	40℃
Surface (touch) dry	2 h	1.5h	1.5 h	30 min
Walk-on-dry	24h	18 h	12 h	5 h
Dry to over coat, minimum	8 h	5 h	3.5 h	2.5 h

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 physicaldamage.

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

Heat resistance

	Temperature	
	Continuous	**Peak**
Dry, atmospheric	45℃	---

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 Jindun for specific system recommendation.

Previous coat: chlorinated rubber, epoxy, epoxy mastic

Subsequent coat: acrylic

Packaging(typical)

	Weight (Kg)	Size of containers (litres)
JDAcrylic 435	20	20

The volume stated is for factory made colours.

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

JDAcrylic 435 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 applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to Jindun'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 Jindun 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 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.

Disclaimer

The information in this document is given to the best of Jindun's knowledge, based on laboratory testing and practical experience. Jindun's products are considered as semi-finished goods and as such, products are often used under conditions beyond Jindun's control. Jindun cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Jindun reserves the right to change the given data without further notice.

Users should always consult Jindun for specific guidance on the general suitability of this product for their needs and specific application practices.