

## DGU Deck Glossy Polyurethane Enamel

### Product Description

**DGU** is an acrylic (aliphatic) polyurethane coating with outstanding colour retention abilities. This coating has exceptional resistance to weathering, staining and corrosive environment. Can be used to exterior or interior applications, or wherever a superior gloss and colour retention finish is desired. **DGU** presents high durability, colour stability and high yellowing resistance against UV radiation, even after prolonged exposure.

### Recommended Use

Ideal for the external protection of steel surfaces like top sides, decks, and every surface exposed to weather conditions related to a marine environment. Exceptional protection against UV radiation as well as sea water. Does not yellow. A highly resistant coating to abrasion and chemicals.

### Film Thickness Per Coat

	Minimum	Maximum	Recommended
Dry Film Thickness (µm):	60	120	80
Wet Film Thickness (µm):	100	200	133
Coverage Rate (m <sup>2</sup> /L):	10	5	7.5

Drying times differentiate in minimum or maximum values. Maintain recommended values during application. Coverage rate is Theoretical and does not include any losses.

### Properties

<b>Type ▶</b>	Acrylic Aliphatic Polyurethane	<b>Touch Dry Time▶</b>	30min @ 20°C
<b>Components ▶</b>	Base A & Hardener B	<b>Dry Through Time ▶</b>	4h @ 20°C
<b>Color ▶</b>	Colour Card	<b>Full Curing ▶</b>	2d @ 20°C
<b>Thinner/ Cleaning Solvent ▶</b>	NanoPhos Thinner B	<b>Min. Recoat Interval ▶</b>	12h @ 20°C
<b>Mixing Ratio ▶</b>	4:1, A:B per volume	<b>Induction Time ▶</b>	15min @ 20°C
<b>VOC ▶</b>	<450 g/L	<b>Flash Point ▶</b>	24°C
<b>Solids (%vol.) ▶</b>	60±3	<b>Water Resistance ▶</b>	Excellent
<b>Max. Pot Life ▶</b>	6h @ 20°C	<b>Abrasion Resistance ▶</b>	Excellent
<b>Service Temperature ▶ (Continuous, dry)</b>	Max: 150°C Short: 180°C		

## Surface Preparation

**Compatible Coats:** All surfaces should be clean, dry and free from oil, grease and other foreign matters or contamination. Preparation according to ISO 8502-3:1992 Test for the assessment of surface cleanliness according to ISO 8501-3: 2006 Visual assessment of surface cleanliness.

**Non-Immersed Bare Steel:** Power Tooling, St 3 & Sa 2. Reference standard: ISO 8501-1:2007.

## Application

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Conventional Spraying ▶	Paint pressure pot with power agitator, double air regulators, moisture trap, ½" ID fluid hose, 5/16" ID air hose, DeVilbiss 510 gun, "E" tip and needle, 74 or 78 air cap.
Airless Spraying ▶	Minimum pump: 30:1. Nozzle: 17-23
Brush ▶	Recommended application method only for stripe coating or small areas.

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Substrate temperature should be minimum 5°C and at least 3°C above air dew point. Good ventilation is required to ensure proper drying.

## Paint System

Preceding: Epoxy (ESP, EPR, EZR), EZS

Subsequent: -

## Health And Safety

- I. Use normal precautions such as gloves, facemasks.
- II. Adequate ventilation must be maintained.
- III. Explosion proof lights & electrical equipment.
- IV. Non- Sparking shoes & tools for workers in area.
- V. This product contains flammable materials. Forbid all flames, smoking and welding in work area.
- VI. Avoid breathing of vapor, contact with skin or eyes. If product comes in contact with skin or eyes, wash thoroughly with water and obtain medical attention.

## Available Packaging

- 20L unit (total 20 liters in two metal canisters | 4:1, A:B per volume)

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**Notes & Precautions:** Storage of closed containers, in controlled dry and enclosed space, away from sources of ignition and temperatures from 5°C to 35°C, for up to 18 months. The Technical Data should be read in conjunction with the Safety Data Sheets and Coating Technical Specification. This product is for professional use only. For more information please contact NanoPhos Marine: [www.NanoPhos-Marine.com](http://www.NanoPhos-Marine.com)