CGU Cool Glossy Stain Resistant PU Enamel

Product Description

CGU is an acrylic/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. It can be applied directly on gelcoat or over an adhesive primer, like EPR. Special Nanostructured ingredients reflect incident heat radiation, thereby enhancing the degree of comfort and "coolness" inside the hull. Ideal for the exterior of oil, LNG, LPG Tanks topsides as a heat mitigation solution or even as a repairing solution on gel coat.

Recommended Use

Topcoat colour, which provides an excellent basis for long-lasting glossy finish on the sides of yacht or on the upper structure (cabins, fly bridges etc). Remarkable protection from UV radiation. Does not yellow. A highly resistant coating to abrasion, which incorporates features of prolonged retention of gloss and colour.

Film Thickness Per Coat

	Minimum	Maximum	Recommended
Dry Film Thickness (µm):	60	100	75
Wet Film Thickness (µm):	109	182	136
Coverage Rate (m^2/L):	9.16	5.5	7.3

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

Properties

Type ▶	Acrylic Aliphatic PU	**Touch Dry Time** ▶	30min @ 20℃
Components ▶	Base A & Hardener B	**Dry Through Time** ▶	4h @ 20℃
Color ▶	Color Card	**Full Curing** ▶	48h @ 20℃
Thinner/ Cleaning Solvent ▶	NanoPhos Thinner B	**Min. Recoat Interval** ▶	12h @ 20℃
Mixing Ratio ▶	4:1, A:B per volume	**Induction Time** ▶	15min @ 20℃
VOC ▶	<450 g/L	**Flash Point** ▶	24℃
Solids (%vol.) ▶	55±3	**Water Resistance** ▶	Excellent
Max. Pot Life ▶	6h @ 20℃	**Abrasion Resistance** ▶	Excellent

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. Reference standard: ISO 8501-1:2007.

Application

The application of paint can be done through conventional sprayers, airless sprayers, roller or brush. These are indicative methods of application and it is to the judgement of each person which method he will apply. 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

Please contact NanoPhos Marine for more information.

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

- 2.5L unit (total 2.5 liters in two metal canisters | 4:1, A: B per volume)
- 5L unit (total 5 liters in two metal canisters | 4:1, A: B per volume)
- 20L unit (total 20 liters in two metal canisters | 4:1, A:B per volume)

Notes & Precautions: Storage of closed containers, in controlled dry and enclosed space, away from sources of ignition and temperatures from 5ºC to 35ºC, 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**

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