CGU Cool Glossy Stain Resistant PU Enamel
2-component polyurethane solvent-based coating for above the waterline

Product Description

CGU is an acrylic/polyurethane coating with outstanding color 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 color 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 color, 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 color.

Key Benefits

- ☆ Unique UV protection
- ☆ Does not turn yellow
- ☆ Extremely abrasion resistant
- ☆ Prolonged gloss and color retention
- ☆ Increased resistance to water, salts and dilute acids

Technical Specifications

Type	Acrylic Aliphatic PU
Color	Color Card
Components	Βάση A & Σκληρυντής B
Density (EN ISO 2811-1)	1,1±0.5
Thinner/Solvent	NanoPhos Thinner B
Mixing Ratio	4:1, A:B per volume
VOC (Volatile Organic Compounds)	<425 gr/L[1]
Solids (% vol)	55±3
Touch Dry Time	60min @ 20℃
Dry Through Time	4h @ 20℃
Min. Recoat Interval	12h @ 20℃
Full Curing Time	7d @20ºC (*)
Induction Time	10min @20ºC (*)
Water Resistance	Excellent
Abrasion Resistance	Excellent
Max. Pot life	6h @ 20℃

(*) Dry-to-recoat time is prolonged under low temperature and high humidity

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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 Instructions

The application of the paint can be done through conventional sprayers, vacuum sprayers, as well as with a roller or brush. The above are indicative methods of applying the paint and it is at the discretion of each person as to which method to apply.
The substrate temperature must be at least 5°C and at least 3°C above the dew point of the air. Good ventilation is required to ensure proper drying.

Mixing:
Mix the entire contents of the base with the hardener. If you're using a separate mixing bucket, mix carefully ensuring that all contents of the base and hardener containers are poured. Mix using an electric mixer on low speed for about two minutes or until the two ingredients are completely combined. Application with a vacuum sprayer is recommended.

This product is intended for professional use only. Applicators and operators must be trained, experienced and have the ability and equipment to mix / mix and apply coatings correctly and in accordance with NanoPhos technical documentation. Applicators and operators must use appropriate personal protective equipment when using this product. This guideline is given based on current knowledge of the product. To be used in well-ventilated conditions.

Coverage

FILM THICKNESS PER COAT

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

The drying time varies between minimum and maximum values. Maintain recommended values during application. The coverage rates are theoretical and do not include fees.

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Storage

Store in the original closed packaging, in a well-ventilated area, at a temperature of 5°C to 35°C, away from sunlight and frost.

Health and Safety

Read the product label before use. The Safety Data Sheet is available on www.NanoPhos.com or on request by contacting NanoPhos by email: info@NanoPhos.com or by phone: 2292069312.

Available Packaging

- 2.5L Unit (Total 2.5L in two metal containers, 4:1 | A:B per volume)
- 5L Unit (Total 5L in two metal containers, 4:1 | A:B per volume)
- 20L Unit (Total 20L in two metal containers, 4:1 | A:B per vol

- **Notes & Precautions:** Adverse weather conditions during or after the product application may affect the properties of the coating. 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. The current edition of this technical data sheet automatically cancels any previous one concerning the same product. For more information, please contact NanoPhos: info@NanoPhos.com
- ▪ The technical data sheets and the recommendations for using NanoPhos products are based on our scientific knowledge, laboratory studies, and long-term experience. Therefore, the information provided must be considered indicative and subject to constant review in relation to the circumstances and each practical application. Furthermore, the product's suitability should be examined in each case for each specific use. The end-user bears complete & exclusive responsibility for any side effects that may arise from the incorrect use of the product.

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