

PRODUCT DESCRIPTION

UC Gloss HS is a high solids polyurethane undercoat for use in topcoat systems.

- * Excellent flow characteristics
- * High gloss finish
- * Easy sanding
- * Also suitable for interior use (engine rooms, void spaces etc.)

PRODUCT INFORMATION

Colour	IPF092-RAL 9010, IPF680-Grey
Finish	High Gloss
Specific Gravity	1.43
Volume Solids	73%
Mix Ratio	4:1 by volume (as supplied) , Converter/Curing Agent - IPF001
Typical Shelf Life	2 yrs
VOC (As Supplied)	215 g/lit
Unit Size	5 Lt

DRYING/OVERCOATING INFORMATION

	Drying			
	10°C	15°C	23°C	35°C
Hard Dry [ISO]		48hrs	24hrs	16hrs
Touch Dry [ISO]		6hrs	3hrs	2hrs
Pot Life		3hrs		

Note: Pot life reduces as temperature and mix volume increases. Pot life refers to the Working Pot Life. It is recommended not to prepare a larger volume than required for immediate use. Drying times quoted in this datasheet were measured without thinners. Drying time will vary according to the application method, and the quantity and type of thinner used.

Overcoated By	Overcoating Substrate Temperature							
	10°C		15°C		23°C		35°C	
	Min	Max	Min	Max	Min	Max	Min	Max
Perfection	48hrs	7days	24hrs	7days	16hrs	5days	16hrs	2days
Perfection	48hrs	7days	24hrs	7days	16hrs	5days	16hrs	2days
UC Gloss HS	48hrs	7days	24hrs	7days	16hrs	5days	16hrs	2days

Note: All overcoating times are approximate. Overcoating Times are the Minimum Recoat Time with Sanding. When being overcoated, the surface must be dry, clean, grease- and dust-free.

APPLICATION AND USE

Preparation

PREVIOUSLY PAINTED SURFACES:

In Good Condition: Wash down with International's Super Cleaner, rinse with fresh water and allow to dry. Sand smooth.

In Poor Condition: Remove all previous coatings and prime the substrate.

GELCOAT/COMPOSITE: Thoroughly degrease the surface by wiping with Degreaser Oplusser, changing cloths frequently to avoid contamination. Sand smooth.

EPOXY FILLERS: Sand smooth.

EPOXY PRIMERS: Sand smooth.

For further sanding recommendations please see the leaflet "The Importance of Good Sanding Practise".:

Hints

Mixing Ensure the correct volume mix ratio is used. Thoroughly stir Part A before use to obtain a homogenous product. Next add Part B (Curing Agent) while stirring until a homogenous mix is achieved.

Thinner Thinners No.16

Thinning The amount of thinner to be added depends on the conditions of application and method of application being used. Add thinner only after thoroughly mixing the components.

Cleaner Degreaser (Oplosser). Thinners No.16

Ventilation and Humidity Control Optimum curing takes place when the relative humidity is between 30% and 85% During application and drying in a confined spaces, continuous ventilation is required to extract solvent vapours for health and safety reasons and to assist the drying process.

Conventional Spray Thin 40-50% using Thinners No.16. Tip Size: 1.1-1.5 mm. Pressure: 3.2-3.7 bar Reduce viscosity to 17-20 seconds, DIN Cup 4. Advised dry film thickness: 40 µm. Maximum dry film thickness: 60 µm (wet film thickness 82 µm).

Some Important Points	Ambient temperature should be minimum 10°C/50°F and maximum 35°C/95°F. Substrate temperature should be minimum 10°C/50°F and maximum 35°C/95°F. Product temperature should be minimum 10°C/50°F and maximum 35°C/95°F. The substrate temperature must be at least 3°C above the dewpoint to prevent condensation. It is recommended not to apply the product under adverse weather conditions. Coverage depends on several factors, including shape of the yacht, surface roughness, method of application being used and conditions of application. Not suitable for permanently immersed surfaces. Do not apply over conventional (one-pack) coatings.
Compatibility/Substrates	The following substrates can be treated with UC Gloss HS: Midcoat Flat HS; Epoxy Interior Coating HS; Epoxy GP Coating; Old two-pack polyurethane topcoats; Polyester gelcoats.
Coverage	(Theoretical) - 18.20 (m ² /lt) (Practical) - 13.60 (m ² /lt) by spray
Recommended DFT	40 microns dry
Recommended WFT	55 microns wet
Application Methods	Conventional Spray , DO NOT AIRLESS SPRAY

TRANSPORTATION, STORAGE AND SAFETY INFORMATION

Storage	GENERAL INFORMATION: Exposure to air and extremes of temperature should be avoided. For the full shelf life of this product to be realised ensure that between use the container is firmly closed and the temperature is between 5°C/40°F and 35°C/95°F. Keep out of direct sunlight. TRANSPORTATION: The product should be kept in securely closed containers during transport and storage.
Safety	GENERAL: Avoid contact with skin and eyes. UC Gloss HS can cause dermatitic skin reactions. Always use gloves and goggles and keep skin protected with overalls. Any accidental skin contact should be immediately washed off with soap and water. Do not eat, drink or smoke in mixing or application areas. Wear suitable respiratory protective equipment. Read the label safety section for Health and Safety Information, also available from our Technical Help Line. DISPOSAL: Do not discard tins or pour paint into water courses, use the facilities provided. It is best to allow paints to harden before disposal. Remainders of this product cannot be disposed of through the municipal waste route or dumped without permit. Disposal of remainders must be arranged for in consultation with the authorities.

IMPORTANT NOTES *The information given in this sheet is not intended to be exhaustive. Any person using the product without first making further written enquiries as to the suitability of the product for the intended purpose does so at their own risk and we can accept no responsibility for the performance of the product or for any loss or damage (other than death or personal or injury resulting from negligence) arising out of such use. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.*

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