

PRODUCT DESCRIPTION

Midcoat Flat HS is a high solids, high build polyurethane surfacer for use over fairing compounds prior to application of the topcoat system.

- * Easy sanding
- * Smooth finish
- * High build ability

PRODUCT INFORMATION

Colour	IPE200-White, IPE220-Grey
Finish	Satin
Specific Gravity	1.34
Volume Solids	65%
Mix Ratio	4:1 by volume (as supplied) , Converter/Curing Agent - IPE201
Typical Shelf Life	2 yrs
VOC (As Supplied)	320 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]		5hrs	3hrs	2hrs
Pot Life		2hrs		

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
Midcoat Flat HS	4hrs	10days	3hrs	7days	2hrs	5days	1hrs	3days
Perfection	48hrs	10days	24hrs	7days	16hrs	5days	16hrs	3days
UC Gloss	48hrs	10days	24hrs	7days	16hrs	5days	16hrs	3days
UC Gloss HS	48hrs	10days	24hrs	7days	16hrs	5days	16hrs	3days

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 and sanded (refer to 'The Importance of Good Sanding Practise' leaflet).

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 Oplosser, 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 Thinner 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 Thinner 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 Thinner No. 16. Tip Size: 1.2-1.8 mm/46-70 thou. Pressure: 3.2-3.7 bar Reduce viscosity to 17-20 seconds, DIN Cup 4.

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 overcoated with Midcoat Flat HS provided they are sanded and cleaned: Epoxy GP Coating; Epoxy Finishing Filler; Old two-pack polyurethane; Polyester gelcoats.
Number of Coats	2 at 75 microns WFT
Coverage	(Theoretical) - 13.30 (m ² /lt) (Practical) - 12.00 (m ² /lt) by brush/roller; 9.4 m ² /lt by spray.
Recommended DFT	50 microns dry
Recommended WFT	75 microns wet
Application Methods	Conventional 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. Midcoat Flat 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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Supersedes: