

PRODUCT DESCRIPTION

High build, transparent green, solventless epoxy for the treatment and protection against osmosis.

- * Transparent formulation allows for easy checking of fibre wetting
- * Exceptionally high resistance to moisture
- * Solventless - ensures no harmful solvents can migrate into the hull to cause re-blistering.

PRODUCT INFORMATION

Colour	YAA200
Finish	High sheen
Specific Gravity	1.2
Volume Solids	100%
Mix Ratio	5:2 by volume (as supplied) , Converter/Curing Agent - YAA250, YAA251 . Use YAA250 for a green shade and YAA251 for a white shade.
Typical Shelf Life	2 yrs
VOC (As Supplied)	0 g/lit
Unit Size	1.44 Lt 14 Lt

DRYING/OVERCOATING INFORMATION

	Drying					
	15°C		23°C		35°C	
Pot Life	35mins		25mins		15mins	

	Overcoating					
	Substrate Temperature					
Overcoated By	15°C		23°C		35°C	
	Min	Max	Min	Max	Min	Max
Gelshield	4hrs	6hrs	2hrs	4hrs	1hrs	2hrs
Gelshield 200	12hrs	7days	8hrs	7days	6hrs	7days
Gelshield 200 (Professional)	12hrs	7days	8hrs	7days	6hrs	7days
Interfill 830	6hrs	24hrs	4hrs	16hrs	2hrs	12hrs
Interprotect	12hrs	7days	8hrs	7days	6hrs	7days
Interprotect (Professional)	12hrs	7days	8hrs	7days	6hrs	7days

Note:Overcoating times quoted for self overcoating relate to the "wet-on-tacky" application technique.

APPLICATION AND USE

Preparation **OSMOSIS TREATMENT::** Gelcoat should be removed by blasting, or by peeling plus a light blasting. The resultant substrate should be carefully examined and professionally evaluated as chemically dry. Surface must be clean and dry prior to application of Gelshield. Contact International for further details.
OSMOSIS PREVENTION:: The hull must be thoroughly through dried prior to this scheme being applied. Remove all traces of release agents from bare new hulls since this could impair adhesion. Use Interstrip to remove all traces of antifouling. Wash down with Yacht Line Super Cleaner, rinse with fresh water and allow to dry. Inspect the surface. Abrade with 180-220 grade paper. Surface must be clean and dry prior to application of Gelshield.

Method **OSMOSIS TREATMENT:** Apply initial coat with a thin foam roller and work into the surface using a brush. Allow coating to go tacky and apply the second coat with a foam roller. Lay off with a brush making sure a minimum of 100 microns wet film thickness is applied. Apply Interfill 830 or Interfill 400. Sand the surface smooth and clean. Apply a further 3 coats of Gelshield by roller "wet on tacky". **OSMOSIS PROTECTION:** Apply a total of three coats. Before antifouling can be applied a tie coat of Gelshield 200 is needed. (In professional markets Interprotect may be used as the tie coat). Ensure tie coat overcoating times are adhered to. If maximum overcoating time is exceeded, wash with fresh water and abrade using 80 grade sandpaper

before applying tie coat.

Hints

Mixing Mix base and curing agent thoroughly at the specified ratio. Pour immediately into a wide flat tray to prevent premature curing.

Cleaner YTA061 Equipment cleaner: Thinners No.7

Ventilation and Humidity Control Do not use during periods of high humidity or at temperatures below 14°C. If a "wet on tacky" technique is not followed and an overnight cure is allowed between coats, care should be taken that a very thin surface film or "amine sweat" has not formed. In the event that this does happen, it can be removed by washing with fresh water and drying the surface before proceeding with the next coat.

Other If cold, and before mixing, store Gelshield at room temperature for 12 hours or stand in containers of warm water to warm product up to necessary 14°C working temperature. Excessive warming will severely reduce pot life.

Some Important Points

Do not use below 14°C. Product and substrate temperature should be minimum 14°C and maximum 35°C.

Compatibility/Substrates

GRP Gelcoats & cured laminate

Number of Coats

3 Protection, 5 Treatment

Coverage

(Theoretical) - 10.00 (m²/lt)

(Practical) - 7.50 (m²/lt)

Recommended DFT

100 microns dry

Recommended WFT

100 microns wet

Application Methods

Brush, Roller

TRANSPORTATION, STORAGE AND SAFETY INFORMATION

Storage

GENERAL INFORMATION:

Exposure to air and extremes of temperature should be avoided. For the full shelf life of Gelshield 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:

Gelshield should be kept in securely closed containers during transport and storage.

Safety

GENERAL: Corrosive - DO NOT SPRAY APPLY. 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 Gelshield 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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