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**REINFORCED POLYESTER RESIN OPERATIONS  
AIR GENERAL PERMIT REGISTRATION FORM**

APR 19 2010

BUREAU OF AIR MONITORING  
& Mobile Sources**Part II. Notification to Permitting Office**

(Detach and submit to appropriate permitting office; keep copy onsite)

**Instructions:** To give notice to the Department of an eligible facility's intent to use this air general permit, the owner or operator of the facility must detach and complete this part of the Air General Permit Registration Form and submit it to the appropriate Department of Environmental Protection or local air pollution control program office which has permitting authority. Please type or print clearly all information, and enclose the appropriate air general permit registration processing fee pursuant to Rule 62-4.050, F.A.C. (\$100 as of the effective date of this form).

0550062-001

**Registration Type**

Check one:

**INITIAL REGISTRATION** - Notification of intent to:

- Construct and operate a proposed new facility.  
 Operate an existing facility not currently using an air general permit (e.g., a facility proposing to go from an air operation permit to an air general permit).

**RE-REGISTRATION** (for facilities currently using an air general permit) - Notification of intent to:

- Continue operating the facility after expiration of the current term of air general permit use.  
 Continue operating the facility after a change of ownership.  
 Make an equipment change requiring re-registration pursuant to Rule 62-210.310(2)(e), F.A.C., or any other change not considered an administrative correction under Rule 62-210.310(2)(d), F.A.C.

**Surrender of Existing Air Operation Permit(s) - For Initial Registrations Only**

If the facility currently holds one or more air operation permits, such permit(s) must be surrendered by the owner or operator upon the effective date of this air general permit. In such case, check the first box, and indicate the operation permits being surrendered. If no air operation permits are held by the facility, check the second box.

- All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s):  
 No air operation permits currently exist for this facility.

**General Facility Information**

**Facility Owner/Company Name** (Name of corporation, agency, or individual owner who or which owns, leases, operates, controls, or supervises the facility.)

Mead Floats, Inc.

**Site Name** (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is owned, a registration form must be completed for each.)

Sebring Facility

**Facility Location** (Provide the physical location of the facility, not necessarily the mailing address.)

Street Address: 442 Hendricks Field Way-Hangar Bay C-2

City: Sebring

County: Highlands

Zip Code: 33870 -7504

**Facility Start-Up Date** (Estimated start-up date of proposed new facility.) (N/A for existing facility)

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**Owner/Authorized Representative**

Name and Position Title (Person who, by signing this form below, certifies that the facility is eligible to use this air general permit.)

Print Name and Title: Philip J. Mead, President/Owner

Owner/Authorized Representative Mailing Address

Organization/Firm: Mead Floats, Inc.

Street Address: 442 Hendricks Field Way-Hangar Bay C-2

City: Sebring

County: Highlands

Zip Code: 33870 -7504

Owner/Authorized Representative Telephone Numbers

Telephone:

Fax:

Cell phone (optional): 561.598.9972

**Facility Contact (If different from Owner/Authorized Representative)**

Name and Position Title (Plant manager or person to be contacted regarding day-to-day operations at the facility.)

Print Name and Title:

Facility Contact Mailing Address

Organization/Firm:

Street Address:

City:

County:

Zip Code:

Facility Contact Telephone Numbers

Telephone:

Fax:

Cell phone (optional):

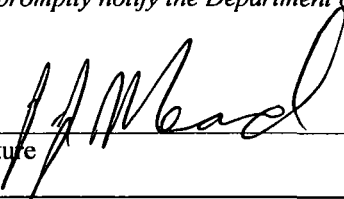
**Owner/Authorized Representative Statement**

This statement must be signed and dated by the person named above as owner or authorized representative

*I, the undersigned, am the owner or authorized representative of the owner or operator of the facility addressed in this Air General Permit Registration Form. I hereby certify, based on information and belief formed after reasonable inquiry, that the facility addressed in this registration form is eligible for use of this air general permit and that the statements made in this registration form are true, accurate and complete. Further, I agree to operate and maintain the facility described in this registration form so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof.*

*I will promptly notify the Department of any changes to the information contained in this registration form.*

Signature



Date

3/26/10

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**Material Usage Rates**

If this is an **initial registration** for a reinforced polyester resin operation, provide an estimate of the total quantity, in pounds, of styrene-containing materials (resin and gelcoat) expected to be used over a 12-month period. Note: the general permit limits the usage of such material to 76,000 pounds (38 tons) in any consecutive 12 months.

Mead Floats, Inc. estimates using 9 to 10 tons of resin per year.

If this is a **re-registration** for a reinforced polyester resin operation, provide the highest 12-month total quantity, in pounds, of styrene-containing materials (resin and gelcoat) used in the last five years. Indicate the 12-month period over which this usage occurred.

**Description of Facility**

Below, or as an attachment to this form, provide a description of the reinforced polyester resin operations at the facility in sufficient detail to demonstrate the facility's eligibility for use of this air general permit and to provide a basis for tracking any future equipment or process changes at the facility. Describe all air pollutant-emitting processes and equipment at the facility, and identify any air pollution control measures or equipment used.

Mead Floats, Inc. is the manufacturer of carbon fiber epoxy resin floats for amphibious aircraft. Mead Floats, Inc. uses resins and gel coats that contain low VOC and closed molding or vacuum infusion to minimize any air polluting emissions. Mead Floats, Inc. also, manufactures fiberglass component parts for the marine industry; again, using closed molding or vacuum infusion to minimize air polluting emissions.

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THE MOST ADVANCED CARBON FIBER FLOATS IN THE WORLD

# MEADFLOATS

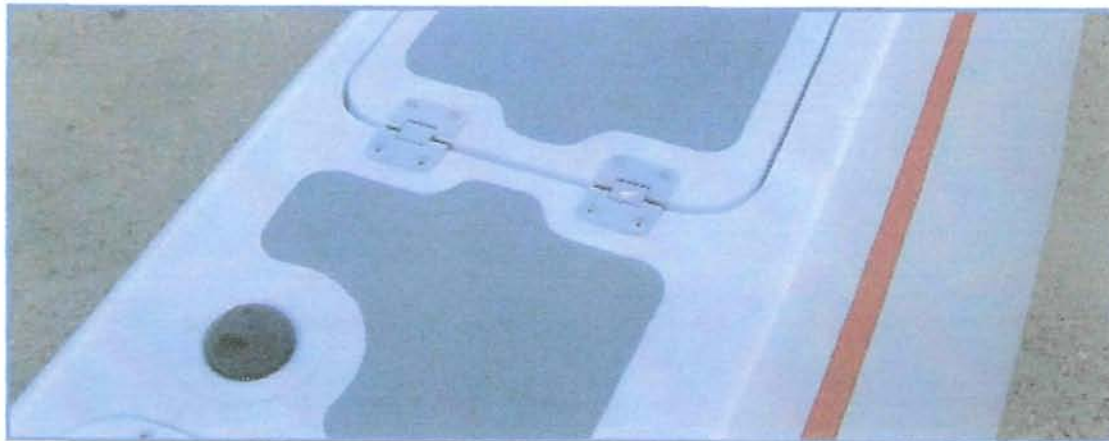


## SPECS

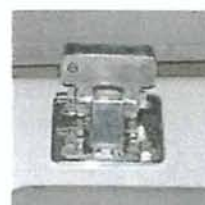
- Designed to Code of Federal Regulations , Part 23 - Airworthiness Standards.
- Designed to withstand bottom pressures in excess of 70KPa (7m, 23 feet of water pressure).
- Designed to a load factor (at step) of 3.7
- Designed by engineers specializing in marine and aerospace applications.
- Monocoque skins - no rivets in bottom shell to prevent leaking, no riveted joints to be checked.
- Extremely tough carbon / Kevlar bottom shell laminate for excellent impact tolerance - to minimise foreign object impact damage and absorb impact energy on landing.
- Carbon sides and deck for strength and stiffness - to prevent torsion and deflection and maintain long term geometric stability.
- Carbon / Kevlar bottom skin provides greater point impact - less likely to pierce hull if hit by foreign object in water.
- Our hull shell has more than four time (4.7) the bending strength of an aluminium hull
- Our hull shell is eight times stiffer than an aluminium hull

	<u>Carbon/Kevlar hull</u>	<u>Aluminum hull</u>	
Thickness	3.4	1.6	mm
Tensile strength	480	290	MPa
Modulus of elasticity	50	70	GPa
Density	1500	2790	kg/m <sup>3</sup>
Areal weight	5.1	4.5	kg/m <sup>2</sup>
Stiffness	0.16	0.02	Nm <sup>2</sup> /mm
Bending Strength	0.61	0.13	Nm/mm

Mead Floats  
 (800) 852 1690  
[www.meadfloats.com](http://www.meadfloats.com)



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Large dry storage compartment    Polished fittings are a great option

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**THE MOST ADVANCED CARBON FIBER FLOATS IN THE WORLD.**

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## **Hydrex® 100-HF Enables Advanced Boat Building With Resin Infusion**

Reichhold has introduced **Hydrex® 100-HF**, as the performance flagship product in a new family of low-VOC (less than 35% styrene), 100% vinyl ester resins engineered specifically for resin infusion processes. **Hydrex® 100-HF** is designed from "Time Tested, Performance Proven" **Hydrex®** vinyl ester technology to meet today's demanding applications, making it ideal for fabrication of large marine structures.

These resins are designed for long, adjustable gel times and low peak exotherm (less than 150°F). They also provide excellent glass wetting with high flow and mold-fill rates, advancing the speed for the vacuum infusion molding process. Composite fabricators using available resin infusion molding will find **Hydrex 100-HF** is engineered to fit the process.

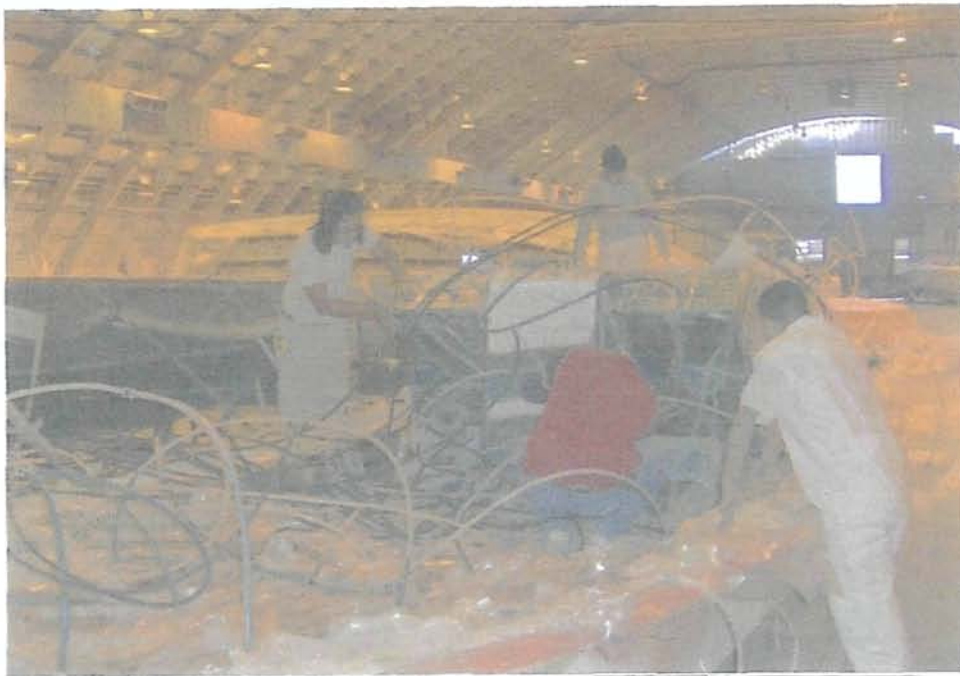
Large complex composite structures and molds can be created with **Hydrex 100-HF** resins by employing a number of infusion techniques where liquid resin is drawn under vacuum pressure into a closed-mold cavity sealed by plastic film membrane.

In recommended applications, **Hydrex 100-HF** resins can be used to mold moderate (5 sq. ft.) to large (500 sq. ft. or larger) composite moldings of watercraft, automobiles, recreational vehicles, trucks, windmills and a variety of similar components.

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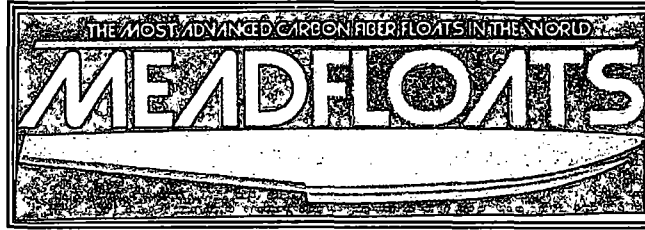
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EXAMPLE OF VACUUM INFUSION



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*442 Hendricks Field Way  
Sebring Regional Airport  
Sebring, Florida 33870*

Department of Environmental Protection  
Air Permitting  
Carter Endsley  
Professional Engineer II

Please find attached, a request for a General Air Permit in a new facility located in Sebring at the Sebring Regional Airport. Mead Floats, Inc. is relocating from its current facility in New Orleans, Louisiana.

Mead Floats, Inc. will be manufacturing high-end carbon fiber epoxy floats for small to medium size aircraft. Mead Floats, Inc. will, also, be a manufacturer of component fiberglass parts for small boat companies. Mead Floats, Inc. will be using low VOC resins and gel coats applying them with the latest technology for closed molding and vacuum infusion to minimize any release of HAPS.

Should you have any questions, please free to call.

A handwritten signature in cursive script that reads "W. E. Sturtz".

W. E. Sturtz  
Environmental Director  
Mead Floats, Inc.  
(727) 647-7716

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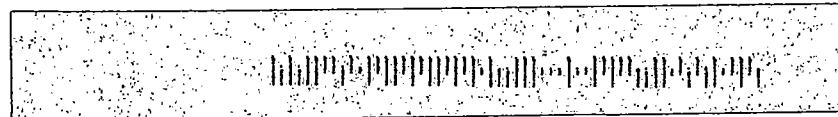
D.E.P. South District



STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
SOUTH DISTRICT  
P.O. BOX 2549  
FORT MYERS, FLORIDA 33902-2549



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