

# FOAM — REPAIR KITS — SEAT FOAM

CM



## LIQUID "X-30" FOAM (TWO-COMPONENT POLYURETHANE FOAM)

This system consists of two components - "X-30" Resin and "X-30" Catalyst. When the resin and catalyst are mixed in equal volumes they expand into a rigid closed-cell foam of 2 pound density. Thorough mixing of the two components is essential. "X-30" Foam expands approximately 40 times its liquid volume. Small-batch mixes are recommended. Cured foams can be easily trimmed, cut and shaped with common woodworking tools. Use toluene or MEK for cleanup. "X-30" Foam contains a highly reactive agent and is classified as a toxic material. It is combustible, a strong skin sensitizer and eye irritant. Avoid contact with the skin. Use rubber gloves when handling. Used for: Flotation, thermal and acoustical insulation reinforcement and miscellaneous void filling. Most small pleasure boats can be made "sink-proof" with approximately two gallons of "X-30". Data sheet available. "X-30" Foam contains a volatile fluorocarbon and should be stored at 70°F. or lower. "X-30" is used on the Osprey II bottom hull, canopy, nose cone, etc., requiring about four gallons of material (2 gallons of each). Shelf life at least 6 months. Users have reported "more than 2 years shelf life".

Kit Size	Part No.	Approx. Foamed Vol. (Cu.Ft.)	Weight Lbs.	Price/Kit
1 Quart Kit (1 Pt. ea component)	01-08800	1-1/4	3	.
2 Quart Kit (1 Qt. ea component)	01-08900	2-1/2	6	.
2 Gallon Kit (1 Gal. ea component)	01-09000	10	22	.
10 Gallon Kit (5 Gal ea component)	01-09100	50	110	.

**X-30 is the original polyurethane foam. Do not accept substitutes!**

## POLYFIX COMPOSITE REPAIR KITS

Polyfix is a 3-part system that uses chemical reaction to heat the repair to 140°F, fusing it to the parent part. This system repairs ABS, PVC, CVPC, SMC, acrylic, vinyl, graphite, Kevlar, plexiglass, nylon, fiberglass, and many other materials. The system combines cyanoacrylate glue, a catalytic filler, and an accelerator. May be used on speed fairings, wing tips, cowlings, glareshields, and more. Kits include polyfix chemicals, Polydust, gloves, mixing tools, and an easy to follow instruction manual.

Description	Size	Part No.	Price
Polyfix Plastic Repair Kit	-	01-01045	.
Polyfix Plastic Repair Kit	Small	01-00235	.
Polyfix Plastic Repair Kit	Medium	01-00236	.
Polyfix Plastic Repair Kit	Large	01-00237	.
Non-Clog Cyanoacrylate Applicator reg. Tip	6" Long	01-01006	.
Non-Clog Cyanoacrylate Applicator Fine Tip	6" Long	01-01007	.
Polyfix Thin Cyanoacrylate	1/2 OZ	01-01008	.
Polyfix Thin Cyanoacrylate	1 OZ	01-01009	.
Polyfix Thin Cyanoacrylate	2 OZ	01-01010	.
Polyfix Thin Cyanoacrylate	8 OZ	01-01011	.
Polyfix 9000 Extra Thick	1/2 OZ	01-01012	.
Polyfix 9000 Extra Thick	1 OZ	01-01013	.
Polyfix 9000 Extra Thick	2 OZ	01-01014	.
Polyfix 9000 Extra Thick	8 OZ	01-01015	.
Polyfix 11000 Gap Fill	1/2 OZ	01-01016	.
Polyfix 11000 Gap Fill	1 OZ	01-01017	.
Polyfix 11000 Gap Fill	2 OZ	01-01018	.
Polyfix 11000 Gap Fill	8 OZ	01-01019	.
Polyfix Industrial 4000 Flexible Thin	1 OZ	01-01020	.
Polyfix 3000 Rubber Fill	1 OZ	01-01021	.
Polyfix 3000 Rubber Fill	2 OZ	01-01022	.
Polyfix 17000 Industrial Odorless Gap Fill	1/2 OZ	01-01023	.
Polyfix 17000 Industrial Odorless Gap Fill	1 OZ	01-01024	.
Polyfix 17000 Industrial Odorless Gap Fill	2 OZ	01-01025	.
Polyfix 17500 Industrial Odorless Gap Fill	1/2OZ	01-01026	.
Polyfix 17500 Industrial Odorless Gap Fill	1 OZ	01-01027	.
Polyfix 17500 Industrial Odorless Gap Fill	2 OZ	01-01028	.
Polyfix 64000 Carbon Gap	1/2OZ	01-01029	.
Polyfix 64000 Carbon Gap	1 OZ	01-01030	.
Polyfix 64000 Carbon Gap	16 OZ	01-01031	.
Polyfix PLYDT Catalytic	10M/MG	01-01032	.
Polyfix PLYDT Catalytic	1/2 PT	01-01033	.
Polyfix PLYDT Catalytic	1 PT	01-01034	.
Polyfix 10000 Accelerator	2 OZ	01-01035	.
Polyfix 10000 Accel	8OZ	01-01036	.
Polyfix 6000 Debonder	1 OZ	01-01037	.

## COMPOSITE MATERIALS PRACTICE KIT



All designers highly recommend that builders who are considering a composite project purchase this practice kit. It contains the excellent 26 page 11" x 17" manual by Burt Rutan entitled MOLDLESS COMPOSITE SANDWICH HOMEUILT/ AIRCRAFT CONSTRUCTION (\$14.50) plus the assorted foams, epoxy, fiberglass, filler materials and supplies with which to work. Everything needed to practice the technique of composite building before venturing into a complete aircraft project.

Practice Kit with Manual..... P/N 01-15000.....  
Practice Kit without Manual..... P/N 01-15100.....  
International Practice Kit with Manual..... P/N 01-15050.....  
**Same as Practice kit with the manual, but excludes the epoxy for International shipping.**



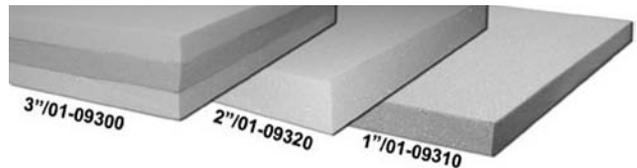
## BACKSAVER FOAM

Backsaver foam is temperature sensitive, softening when it comes in contact with a warm surface; Thus, in a seat cushion, the foam softens and conforms to the person's body. This provides even pressure distribution and unobstructed blood circulation, significantly reducing discomfort, even over long periods. In addition, Backsaver foam has excellent energy absorption properties, which have made it excellent for use in the U. S. space shuttle program and in military aircraft and helicopters. Pilots find that Backsaver cushions reduce

their discomfort and fatigue, even on missions of 8 hours or more. Aircraft Spruce now makes Backsaver foam available to the homebuilt and general aviation market.

17" x 18" sheet ..... P/N 01-09325 ..... ea.  
48" x 72" sheet ..... P/N 01-09330 ..... ea.

## CONFOR FOAM SEAT CUSHION



Confor Form (formerly called Temperfoam) is the conforming foam cushion that was developed for the "Astronaut's Couch" back in the Apollo space program. Confor Foam has the capability of absorbing a tremendous amount of impact shock compared to common polyfoam and it is flame resistant. It is an excellent product that will give your seats enduring comfort that you never thought possible. Adapts to you for pressure point-free comfort that is really incredible. The best universal cushion for aircraft use is a 3" CF42/CF45/CF47 laminate. Confor Foam meets FAR 25.853, FAR 25.855, and CAL 117 burn specifications making it excellent for certified aircraft or homebuilts. Some special sizes in 1", 2", or 3" thicknesses are available on special request.

1" x 16" x 18" ..... P/N 01-09310 ..... ea.  
2" x 16" x 18" ..... P/N 01-09320 ..... ea.  
3" x 16" x 18" ..... P/N 01-09300 ..... ea.

## INFLATABLE LUMBAR SUPPORT



This inflatable air pillow can be installed just under the seat material and will give you the customized support just where you need it. A convenient palm-size pump and a release valve control the firmness of the lumbar support. The In-Flight Back Support is made of a heavy duty self-extinguishing neoprene rubber, specially designed to pass FAR 23.853 flame-test requirements.

One inflatable lumbar support ..... P/N 13-01501 .....  
Two Inflatable lumbar supports ..... P/N 13-01821 .....



## POLY-CEL 100 POLYURETHANE FOAM

New one-component polyurethane foam that requires no mixing. Dispenses like shaving cream from an aerosol can, then sets up to a rigid closed-cell foam. Adheres permanently to almost any surface - does not shrink, dry out or become brittle with age. 12 oz. aerosol can.

P/N 01-09200 .....