

Cedar Creek Construction Back to Basics

SILVERBACK
By CEDAR CREEK



Cedar Creek
COTTAGE

Cedar Creek Facts

1. Forest River, Inc. is the #1 manufacturer of Towables in the country
2. Forest River Inc. is owned by Berkshire Hathaway Inc. Warren E Buffett—CEO
3. Cedar Creek was featured at the Berkshire Hathaway Stockholder's Meeting. 2009
4. Cedar Creek IS one of the Top 3 Mid-Price Point Fifth Wheels in the nation.
(Statistical Surveys (12/31/09).
5. There are only 3 products in the country that are constructed like Cedar Creek.
6. Our Famous "All Aluminum Superstructure" and Construction make Cedar Creek is one of the most desired used products in the nation because of how well the unit ages with time.
7. Cedar Creek currently has 145 employees and has turned over less than 30 persons in 11 years.
8. Cedar Creek's work force is primarily drawn from the Amish community in LaGrange County, Topeka, IN
9. Cedar Creek **ONLY USES TRUE HI-GLOSS GELCOAT!** The Best of the Best!
10. There is no difference in Construction between Silverback, Cedar Creek and the Cottage. Just the standards are different!
11. Cedar Creek is the Smart Choice for the Experienced RV'er!

Cedar Creek, Silverback, Cottage

What Makes Us Unique?



You'll love the great towing and handling characteristics of the Silverback. The aerodynamic, front cap achieves a Full 90° degree plus turning radius even when towed by short bed trucks. No more cumbersome sliding hitches to contend with. Accept No Limited Imitations!



Tap Test!

You will be surprised how Many Competitors use False Foam in their Fascia. Cedar Creek, Silverback, and Cottage all have Solid Wood Fascias give A Quality Difference you can Hear and Feel!



Hung Fiberglass Vs. Lamination

Realizing that most salespersons sell a variety of products, which is really better? Let the customer decide....education is the key without jeopardizing other products you can sell to your customer. Try this...

Pinch Roll Lamination...Ask a customer if they are familiar with the lightweight trailers that are currently out. These units are designed to be pulled by a Jeep or a Mini Van. For example units like Flagstaff, Jay Feather, Cougar, etc... Those are called aluminum parameter frames. In other words, a piece of aluminum forms the exterior shape of the travel trailer or fifth wheel and an aluminum strut is placed approximately every 3-4 FEET. Polystyrene foam, like white Styrofoam that kids play with, is placed in-between the frame, the interior wall board & exterior material is attached, then pinch rolled with an adhesive. It is done in a temperature controlled factory with a certain amount of humidity. The wall then has to cure for 24 hours before it can be used. The strength comes from the lamination – not the frame.

The next level up is Vacuum Bonded Lamination. This is similar to the pinch roll process except on a larger scale. The welded frame is approximately 24-26" on Center or more. Polystyrene foam is placed inside the framework. The interior wall board and exterior material is attached. The whole side wall is placed into a vacuum bond machine. Fiberglass compression is applied, creating a one piece single wall. Once again strength comes from the lamination – not the frame!!!!

Cedar Creek does not depend on lamination for it's strength. We depend on the frame for our strength. Our frame is 2x2 16" centers and less. The roof is bolted to the side wall – the side wall is bolted to the floor – the floor is bolted to the outriggers. This aluminum frame is designed to bend and flex. A welded frame can't flex along with the cambered steel frame. Residential style fiberglass insulation is glued in-between the frame, expanding the insulation to it's fullest capacity. This is as much insulation as you can place in a 2" wall without compressing it. The interior wall board and exterior true gelcoat are attached with a Marine Grade, Silaprene. Customers can look up this adhesive on the internet. It has a 475 Pound Per Square Inch Pull Radio (PSI) at 2" per minute. Which basically means it has a strong tinsel strength and can't separate from the aluminum frame unless pulled upon with almost 500 lbs of pressure. This adhesive cures in 4 hours and is used everywhere on the coach. A single sheet of Gelcoat is brought up by an overhead lift, silaprene is placed on every stud, the gelcoat is then brought up to the frame and screwed around the parameter. 6 ft. Clamps are then applied to the sidewall, compressing the sidewall into the adhesive while it cures.

Why Does Cedar Creek Believe In This Construction?



1. Cannot have lamination problems because the sidewalls are not laminated.
2. Outlets are in normal areas because the wall was not designed to be one piece. Laminated units generally have outlets under the cabinets or build false walls because you can Not run wires through a one piece wall
3. True Nobel Classic Gelcoat Exterior – *IS* the best of the Best!
4. Customers can repair their units easily and will feel as comfortable with the coach when it is completed as they were when they purchased the unit. If your customer ever has a serious problem with a laminated unit, do you think it would be easy to repair because the wall is one piece? With Cedar Creek – bent stud – no problem – pull the paneling from the inside – cut out the bent stud – replace bent stud with same construction process, replace paneling – Bingo... Try that with lamination.
5. Cedar Creeks units are becoming one of the most sought after used products on the market because of how well the units look as they age.

Cedar Creek's Famous "All Aluminum Superstructure"



All truss, sidewalls, and flooring are handmade with the frame being 16" or less on center. (Sidewall Studs are 9" & 14")

Sidewalls, floor, and roof are individually fastened with custom radius "L" brackets combined with Uniroyal Silaprene adhesives for a strong, flexible frame without welding or lamination.

This frame is designed to move and flex with the coach. Competitors welded frames are only welded because they don't want the wall to flex and compromise the one piece lamination bond. More Flex also means less wind resistance while the customer pulls the coach down the road.

Cedar Creek depends on the frame for it's strength, not lamination.



Sidewalls



Residential Eco-Batt™ Glasswool Insulation – gives more total coverage and is as much insulation as you can place in a 2" wall without compressing it.

Silaprene Adhesive (475 PSI, 2" Pull Ratio per Minute). Which basically means it has a strong tensile strength and can't separate from the aluminum frame unless pulled upon with almost 500 lbs of pressure.

A Full Sheet of True Nobel Classic Gelcoat is applied and Pressure is added. Truly the Best of the Best the Industry has to offer!

Advantage = Serviceability. Damaged sidewalls are easily repaired without having to remove the whole sidewall. Cedar Creek, Silverback, and Cottage get their strength from the frame. Laminated units get strength from the wall being one piece.



All Aluminum Construction- 16" On Center or Less
3 Layers of Insulation in Roof, Floor- Calculated Value at R38
5/8" Tongue & Groove Plywood Floor Marine Grade



Radiant Shield Insulation is placed in the Roof, Under the Front, Cap, Under the Floor, in the Front Bedroom on Fifth Wheels, and in the Underbelly – R-Value 38 / 80° Ambient Temperature

Heated and Enclosed Tanks

The Results are in

Heated and enclosed underbellies are important for many customers. "Will my trailer function when it is cold outside?" How many manufacturers have actually tested their units to see how they function? Well, Cedar Creek did and you will be surprised at what we discovered.

The test was simple—put 3 Cedar Creek units, (Same Floorplan), inside a "cold room" at the same time. One unit with our standard insulation package—3 layers of insulation with the heating pads directly on the tanks. The one fifth wheel with the 2 layers of insulation using blown air from the furnace into the underbelly (Which Our Competitors do). One fifth wheel with 2 layers of insulation and our standard Tank Heaters. This test was conducted over a 10 hour period. The thermostat was set at 70° degrees inside the coach. The outside temperature was set to 0° degrees. Temperature gauges were set throughout the inside of the coach, measuring the temperature at the ceiling line, the center line, and the floor line. Temperature gauges were also placed inside all of the tanks and placed inside the underbelly and roof. Here are the results... You Decide which is better....

Standard Cedar Creek Enclosed Underbelly Temperature w/	Outside Temperature at the Rear of the Coach	Outside Temperature at the Front of the Coach	Galley	Fresh Water	Black	Grey	Average Temperature of all Tanks
2 Layers of Residential Insulation and Heating Pads on all Tanks	2.48	0.5	49.1	35.78	37.94	35.6	39.605
2 layers of Residential Insulation with Just Blown Air Into the Underbelly	2.48	0.5	46.76	31.46	31.82	31.64	35.42
2 Layers of Residential Insulation With Additional Layer of Radiant Shield Insulation and Tank Heaters	2.48	0.68	51.98	36.86	44.24	41.72	43.7



All Cedar Creek Units are built with "Travel Flex" as if they are already setting on a vehicle. Some manufacturers built their units with the use of rollers on their front jack legs. The problem is that the flex has not been built into the unit as if it were traveling down the road. Stress is totally different when units are attached to the vehicle and if you don't allow for this stress, your construction is not as tight as it should be.



Shown with New 8" Round Landing Pads Positioned on the Outside of the Frame.



DaBoda "Level-Up"™
Opt. 6 Point Hydraulic
Stabilization System

Cedar Creek Introduces “Z” Frame February, 2001 (9 Years Ago)



Cedar Creek worked with an engineering company for 3 months, approximately 9 years ago to create the unique “Z” Frame for our customers. With this unique design, customers not only appreciate the extra storage, but because the center of gravity is lower, it allows customers to reach farther. Add with that, Vinyl floor covering that makes cleaning a snap, you have one of the best front storage compartments in the business.



More Reasons to Buy Cedar Creek



Electric Awnings



La-Z-Boy Recliners®



"Soft Top"
Vinyl Storm Doors



New Docking Station

We are introducing a new docking station to the Cedar Creek line up. However along with this new station, all Cedar Creeks and Silverback (N/A Cottage) units will have a new look in the side to side storage compartment. All of the waterworks, furnace duct, steps, etc. will now be covered with wall paneling for a nice clean look.

This Unit Is Equipped With The Convenient Wireless Remote Control System!

FEATURES:
Safe, One Person Operation!
Control from Inside or Outside the RV
90-100 Foot Range
Already Installed!
Add Ease of Use to Your RV Lifestyle!

CEAR CREEK Remote Control Applications!
Pulse & Stop Lights - Front Jacks - Slide Movers - Awning
Control your front & rear slide jacks & awning lights from inside your truck!
Control your slide rooms and awning from inside or outside your RV!

Wireless Remote Control

The Most Universal Wireless Control In The RV Market!

Controls the Electric Awning, Front & Rear Jacks Legs, Slide-Rooms, and Security Lighting

N/A on Cottage