





Genuine Ultralights
Sales Training and Construction
Guide





Behind the Scenes

AZDEL COMPOSITE – BOTH INTERIOR & EXTERIOR PANELS

- 50% LIGHTER THAN WOOD/LAUAN
- NO CHEMICAL TREATMENT
- WILL NOT SOAK UP WATER
- NO WOOD = NO DELAMINATION

ALUMINUM FRAMED WALLS W/DOUBLE LAMINATION

- PINCH ROLLED AND VACUUM-BONDED = DOUBLE LAMINATION
- ONLY MFG USING DOUBLE-LAMINATION PROCESS
- CREATES A SOLID PERMANENT WALL

ALUMINUM FRAMED VACUUM BONDED RADIUS ROOF

- LIGHTWEIGHT, RIGID, AND FULLY WALKABLE
- HUNDREDS OF POUNDS LIGHTER THAN WOOD FRAMED
- CHANNELS WEIGHT TO CHASSIS
- MOTORHOME-METHOD CONSTRUCTION

DICOR CROSSFLEX SYNTHETIC THERMOPLASTIC ROOFING

- STRONGEST & LIGHTEST ROOF MATERIAL IN THE INDUSTRY
- 10X MORE TEAR RESISTANT THAN COMPETITION
- 30X MORE PUNCTURE RESISTANT THAN COMPETITION







VACUUM BONDED REAR WALL

- AZDEL SUBSTRATE
- BACKED AND READY FOR A LADDER

CARRYING CAPACITY – AXLE SIZE

- LARGER AXLES = MORE CARRYING CAPACITY
- ALLOWS UNITS TO HAVE A 50-GAL FRESH WATER TANK

UNIT WEIGHT

- LAMINATED ROOF, AZDEL & THE APEX PROCESS = LIGHTER UNIT & EASIER TO TOW
- TOWED BY TODAY'S HALF-TON, SUV, & MINI VANS
- BETTER FUEL EFFICIENCY, LESS WEAR & TEAR
- LEADER IN USEABLE SPACE PER POUND

SOLAR PANEL/DOUBLE LP TANKS = OFF GRID READY

CAMP WHERE AND WHEN YOU WANT







• HEATED & ENCLOSED UNDERBELLY (DOUBLE AXLE only)

- DIRECT VENT FROM FURNACE TO UNDERBELLY
- REDUCES DRAG FOR BETTER TOWING
- KEEPS PESTS OUT & STOPS ROAD DEBRIS

EMERALD CERTIFIED GREEN MANUFACTURING

- LESS WOOD, RECYCLING PROGRAM & CERTIFIED GREEN PROCESS
- INDOOR AIR QUALITY!!!
- LOW VOCs (volatile organic compounds) = PARTICLES IN THE AIR
- ONLY (3) MFG IN CATEGORY APEX, LANCE & AIRSTREAM





Apex: 'Highlight' Features

Double AZDEL

- AZDEL on Exterior AND Interior
- Saves Weight
- Added protection against Water



Lithium Ready

- WFCO Auto-Detect Converters
- Automatically determines battery type (Lead Acid/Lithium)
- Optimizes Battery Charge Profile
- https://www.youtube.com/watch?v= pVrD8crMghs





Key Alike

- Convenient Single Key throughout
- No Universal Key on Storage
- More Convenient AND Secure



Wineguard Digital Antenna

- Omnidirectional TV/Radio
- Compatible with Wineguard Connect LTE Hotspots
- https://www.youtube.com/watch?v=nCoxKE VvlyE





Due to continuing product development information is subject to change.

Always Off Grid

- Off Grid Package Mandatory on Nano
- All Apex have Solar
- · Ready for Dry Camping



Topper Awning Prep (Ultralite Only)

- All Ultralite slides have mounts for Solera
- Great for keeping debris off roof
- Simplified dealer install
- https://www.lci1.com/solera-slide-toppers











All Terrain Option:

- 15"(or 16") Aluminum Wheels
- All Terrain Tires
- 2" Suspension lift (most Models)



Off Grid Option (Mandatory on Nano)

- 200W Roof Mounted Solar Panel
 - 10ga solar wiring: supports up to 400W in parallel.
- 30A Battery Charge Controller
 - 10ga wiring to battery to support charge control upgrade
- Dual 20lbs Propane Tanks
- Propane Tank Cover
- 12V/USB Accessory Outlets at Pass-Thru Storage and Interior
- 12V Power Vent with 900CFM Airflow
 - 100% interior air exchange, every minute.





Fully Aluminum Framed Walls

- All welded aluminum framed walls.
- All windows/baggage doors/openings fully framed (most manufacturers just cut the windows into the foam – no framing).
- Framing ensures windows are installed square and with solid support.
- Perimeter Tubing is wood-filled for enhanced fastener retention.
- https://www.youtube.com/watch?v=FxKXIbf6Ncw

SCAN ME



Block Foam and Steel Backing

- Block foam insulation effectively insulates Apex while providing structural integrity.
- Just 1/8" of Polystyrene Foam protects your hand from boiling liquid – Imagine what the 1 ½ " thick Apex wall provides.
- Electro-galvanized steel backing plates installed in wall everywhere interior cabinets and fixtures are to be attached.







Double Lamination

- Coachmen is the only manufacturer using a double-lamination process
- Combining the best of both processes: Apex walls are both pinch rolled and vacuum-bonded.
- Interior panels are pinch rolled and immediately trimmed
- Pinch rolling leaves interior panels clean from any glue residue

Vacuum Bonded Exterior

- Vacuum bonding process creates strongest bond
- Vacuum bonding does not use a heat-reactive glue, so it never softens in hot sun
- Vacuum bonding eliminates opportunities for air bubbles to be trapped in sidewall
- Vacuum bonded wall cures under pressure, not just momentary contact





information is subject to change.

1/5/2023

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Aluminum Framed Vacuum Bonded Radius Roof

- Lightweight, rigid, and fully walkable.
- Radius exterior ensures runoff and avoid standing water
- Solid block foam for superior insulation
- Clean interior ceiling: No putty, staples, nails, etc...
- Snap-Batten moldings: no vinyl wrap to shrink, no nails, no falling down moldings
- Hundreds of pounds lighter than conventional wood-trussed roof.





Dicor Crossflex Roofing

- 12-year warranty
- Top Rated Puncture Resistance: 100+ lbs on screwdriver tip)
- Superior Tear Resistance: 1" wide strip will hold 200+ lbs
- Excellent flexibility
- High Solar Reflectance & Thermal Emissivity
- Strongest & Lightest Roofing Membrane Available
- https://seamancorp.wistia.com/medias/x78bo8g24f



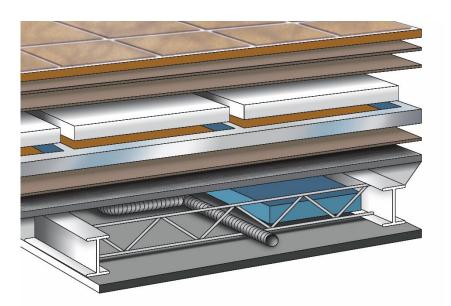
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6 Layer Laminated Floor

- 1. Residential durable floor covering
- 2. Double layer lauan plywood top decking
- 3. Aluminum framed core
- 4. Block foam structural insulation
- 5. Lauan plywood bottom decking
- 6. Darco waterproof floor wrap



Fully Glued Flooring

- Most RV flooring is loose-laid on floor
- Apex flooring is fully glued = residential installation
- Will not cold-crack (Guaranteed 3 years)
- Will not ripple on warm days
- More durable glued down flooring resists tearing and stretching
- More repairable if needed







EZ-Lube/Superlube Axles (Nano Only)

- Self adjusting brakes
- Easy, wheels-on lube process
- Simple process makes it more likely customers keep axles properly lubricated
- 5 Year (EZ Lube) & 6 Year (Superlube)
 Warranty
- https://www.youtube.com/watch?v=XTO RKDGgDm8





Lippert Spring Axles (Ultralite Only)

- Powder-coated tube assemblies
- Self adjusting brakes
- Super lube hubs
- Water-proof connectors
- 6-year Warranty











Heated/Enclosed Underbelly*

- Heat from furnace supplied to tank enclosure
- Added protection for plumbing and electrical systems from elements
- Reduces air-drag on bottom of trailer for better towing.
- Helps keep pests out of trailer by sealing bottom.
- *All Tandem Axle Models. Heat Pads for Tanks available on Nano models.



Lionshead Tire & Wheel

- 5-Year warranty against manufacturing defects
- Absolute no-excuses replacement for first year.
- Nitrogen filled
- Aluminum wheels (Std on Ultralite, & All Terrain Package on Nano – Opt on Nano













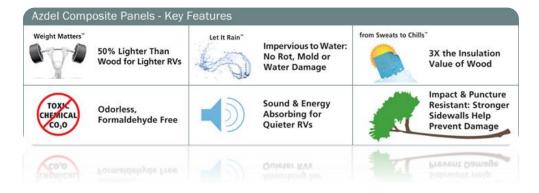
AZDEL Onboard

- 50% lighter weight than Lauan
- No internal layers to delaminate like lauan
- Better adhesion than lauan
- Provides additional R-2 insulation
- More consistent thickness for improved exterior appearance
- Made in USA.
- Double AZDEL (interior and exterior layers)
- https://azdelonboard.com/mold-and-moldtesting/









Why not Lauan Sidewalls?

- Absorbs moisture like sponge
- Lauan is imported from Asia
- Very prone to water damage: small leaks become MAJOR repairs
- Internal lauan failures a common cause of sidewall delamination industry-wide
- HINT: Look inside entry door strike-plate to see lamination substrate

All New Star-Gazer

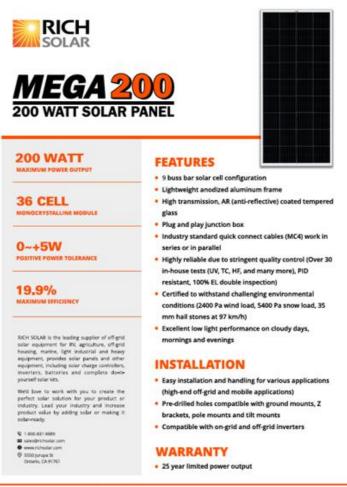
(Available in Apex Nanos)



- Brings in More Natural Light
- Allows for Greater Airflow
- Screen to Keep Insects Out
- Block Out Shade



Updated Solar



- 200W Panel on Roof
- 30Amp Charge Controller
- 10ga Wire allows for Expansion



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www.richsolar.com



Quality Audit/PDI

- Units are randomly selected from production line to undergo complete QC Audit, Code Audit, and PDI testing.
- Units are sent to an independent facility on the Coachmen Campus.
- Apex records best-in-company performance at audits, earning the Coachmen Quality Award.
- This process helps us to refine and improve our manufacturing processes over time.
- A Coachmen Exclusive: No other manufacturer has such a program.

Coachmen

Congratulations!





- Green is the result of a process using effective production techniques in combination with resource efficient and healthy materials
- Creates products that satisfy consumer needs with minimal environmental impact.
- A professional third-party certification agency, TRA Certification, certifies RVs as being Green.
- APEX, Lance & Airstream are the only (3) mfg. in industry in this category!!

Apex Meets Emerald-Level in ALL of the Following Categories:

- Indoor Air Quality
- Resource Efficiency
- Energy Efficiency
- Operation and Maintenance
- Innovative Practices
- Water Efficiency
- https://www.certifiedgreenrvs.com/coachmen-apex



Emerald Rated- Checklist



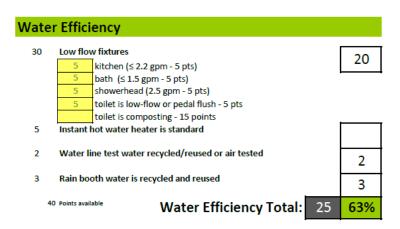
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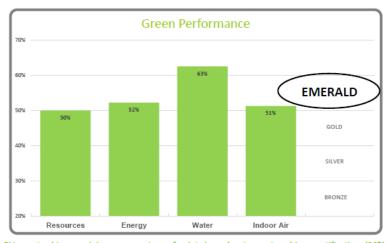
Insulation Type Realize Walls batt 7 Floor batt 7 Ceiling poly 10 ED lighting (>90% interior & exterior) Awnings are standard - 1 pts each, max 2 Goap pressurization or rain booth test to check for leaks Energy efficient appliances (2 points each, max 10) list: tv list: tv list: tv list: tv list: tv list: tv list: v list
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Water Efficiency

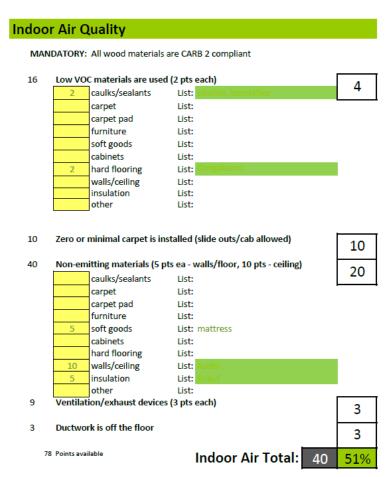
Indoor Air Quality

Emerald Rated- Checklist (cont.)





RVs must achieve a minimum percentage of points in each category to achieve certification. (20% - Bronze, 30% - Silver, 40% - Gold, 50% - Emerald)







These Ultralite Travel Trailers are designed for towing by today's half-ton trucks, minivans and SUVs. From 18' to 34'. All units are available under 6,500 lbs.

Construction Features

- 3M Breathable graphics
- Tinted, safety glass windows
- Welded aluminum structure, vacuum-bonded sidewalls and rear wall, laminated floor
- 4. Aluminum reinforced vacuum-bonded roof
- Dicor Crossflex roofing membrane
- **6.** Azdel composite exterior/interior sidewall and rear wall panels
- **7.** Aerodynamic front profile with fiberglass front cap and integrated window
- 8. (2) 20 lb. LP tanks
- Insulated slam latch doors with magnetic hold-ups (N/A Nanos)
- 10. Smooth exterior fiberglass skin
- Aluminum framed openings
- **12.** Fully enclosed, heated underbelly (Double axle models)
- **13.** Fully welded tubular aluminum floor structure
- **14.** Schwintek[™] and rack and pinion slide systems (Deep slides)
- 15. Congoleum® DiamondFlor flooring
- 16. Powder E-coated, welded I-beam frame with full-depth crossmembers
- 17. Dexter® E-Z Lube® axle hubs (Nano) Lippert axles (Ultralite)
- **18.** Nitrogen filled radial tires

LIGHTWEIGHT DURABILITY

Dicor Crossflex Synthetic Thermoplastic Roofing System

• Extreme tear and puncture resistance









Lower Center of Gravity for Better **Towability**





Since 1964

- Coachmen's first year of production included 12 travel trailers, a single truck camper and 80 truck caps.
- Since that time, over 600,000 Coachmen recreational vehicles have been produced.
- In December of 2008, Coachmen RV became a proud brand of Forest River Inc., a Berkshire Hathaway Company.
- Headquartered in Middlebury, Indiana, with nearly 120 acres.
- Massive campus with nearly 500,000 SQ Ft under roof.

Principles

- Providing customers with long term value through all that we do. Our focus is on producing a product with superior value and backing it through superior service and support.
- Once you become a Coachmen owner, we are committed to enhancing your Coachmen RV ownership and lifestyle experience...creating friends for life and memories that will last a lifetime.
- https://coachmenrv.com/our-story







Customer Satisfaction is our #1 Priority

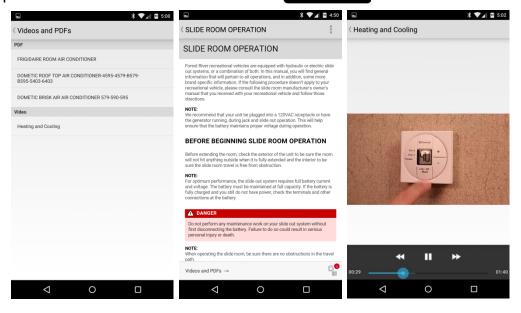
- New internal hardware and software systems for more responsive Service and Warranty Dealers spend less time navigating the warranty process, so customers can spend more time navigating the great outdoors.
 - Faster warranty approvals
 - Improved parts search ability
 - Online parts ordering
- All owner's manuals online at https://coachmenrv.com/owners#manuals
- All-new customer owner's manual app!











Component manuals and instructional videos

System overview for each category

Instructional/How-To video for many items