

## Additive solutions for thermoplastic applications in the recreational vehicle market

**Increasing the performance of parts and processes**

Products in the recreational vehicle market range from off-road motorcycles, through ATVs and personal watercraft, to travel trailers and luxury motor homes. Within almost every segment, expansion is made possible by advances in thermoplastic resin technologies in concert with innovation in manufacturing processes.

RV makers are employing a variety of techniques with glass and other reinforcing fibers to improve structural strength, stiffness, and durability. Multi-layer sheet extrusions result in thermoformed surfaces that rival paint in appearance, while eliminating the associated cost, weight, and VOCs. From seats to storage units, utility is being molded in, while cost and complexity are being taken out.



ADD COMP North America is supporting progress at the OEM and throughout the supply chain through its unmatched understanding of thermoplastic additive technology and its comprehensive portfolio of additive solutions. The company is committed to helping simplify the production of new products and to enhancing their durability in use.

**PRIEX® coupling agents improve structural properties as much as 30%**

PRIEX® coupling agents feature a functional group of maleic anhydride (MAH) grafted onto a polyolefin backbone. Their use enhances the strength of glass-reinforced composites by bonding the polyolefin matrix to the reinforcing strands. Greater coupling increases both tensile and impact strength.

Additive solutions incorporating PRIEX coupling agents can also facilitate the introduction of natural-fiber reinforcements by helping the polymer matrix coat the fibers, improving structural properties and reducing moisture absorption. The excellent purity of PRIEX products can reduce emissions of VOCs. Additional environmental benefits could be realized by the use of PRIEX additives to compatibilize dissimilar materials in the recycling stream.

**Complementary additive systems**

ADD COMP delivers a wide range of additive technologies to improve the performance of polymer components throughout the vehicle.

ADD-UV™ products provide excellent weatherability, which is essential in eliminating the cost and complexity of painting. Products in the ADD-AO™ line of anti-oxidants provide temperature stability, protecting parts during processing and improving heat-aging in the field. ADD-BLACK™ pigments simplify the production of integral colors and standard blacks.

In addition to helping meet durability and performance targets, ADD COMP offers a variety of processing aids that can improve the surface appearance of molded or extruded components, increase manufacturing throughput, and reduce energy use.

ADD-AF™	ADD-CLEAN™	ADD-RESIST™	anti-biologicals	cleaning agents	odor reducers
ADD-AO™	ADD-DS™	ADD-SLIP™	anti-blocking agents	compatibilizers	oil and water
ADD-AS™	ADD-FR™	ADD-UV™	anti-fogging agents	coupling agents	repellents
ADD-BA™	ADD-MAX®	ADD-VANCE®	anti-oxidants	desiccants	plasticizers
ADD-BLACK™	ADD-NU™	PRIEX®	anti-static agents	flame retardants	slip agents
ADD-CL™			blowing agents	nucleating agents	UV stabilizers
			clarifying agents		

## Additive solutions for thermoplastic applications in the recreational vehicle market

### System delivery alternatives

ADDCOMP produces a comprehensive range of polymer additive solutions for composite materials, for compounds, or for single-species resins. We can provide them as individual components or in a custom formulation of multiple additives.

Where liquid additives are appropriate, a masterbatch is supplied as pellets featuring high concentrations of additive chemistry in a matrix of select polymer. Where an additive system consists of compatible dry components, we can supply the formulation in compacted-powder form or as a powder blend. In every case, an ADDCOMP product will be configured for ease and accuracy of metering and for process flexibility in dosing.

### History of success

The founding of ADDCOMP in 1998 brought together in one company a breadth of experience and a depth of understanding of additives technology unmatched in the plastics industry. Since then, we have maintained our focus on the development and delivery of additive solutions for manufacturers and compounders of polyolefins, polyesters, polystyrenes, and polyamides. In little more than a decade, we have reshaped the way our customers value additive systems.

ADDCOMP solutions are being used by manufacturers of recreational vehicles and by their material and part suppliers worldwide. Our products can enhance the performance and processing of appearance applications or extend the life of structural components.



### Contact us

**ADDCOMP North America Inc.**  
2932 Waterview Drive  
Rochester Hills, MI 48309  
Tel: +1 248 598 5205  
addcompnorthamerica.com

**ADDCOMP Holland BV**  
Rudolf Dieselstraat 8  
7442 DR Nijverdal  
The Netherlands  
Tel: +31 (0) 548 620 403  
addcomp.nl